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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 166.433 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-74

Perfect score: 1183

Sequence: 1 agctagagctccaaggacc.....tctcttgatgctag 1183

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 582709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	123	10.4	2015	4	US-09-023-655-1105 Sequence 1105, Ap
2	119.4	10.1	2298	4	US-09-023-655-1158 Sequence 1158, Ap
3	110	9.3	2354	4	US-09-023-655-1080 Sequence 1080, Ap
4	107.4	9.1	2129	4	US-09-016-434-1452 Sequence 1452, Ap
5	101	8.5	675	1	US-08-707-793A-3 Sequence 3, Appli
6	101	8.5	675	1	US-08-707-792A-3 Sequence 3, Appli
7	92.6	7.8	2435	4	US-09-023-655-1313 Sequence 1313, Ap
8	91	7.7	2847	4	US-09-220-132-77 Sequence 77, Appl
9	91	7.7	2647	5	PCT-US93-06251-77 Sequence 77, Appl
10	90.8	7.7	1611	1	US-07-820-011A-3 Sequence 3, Appli
11	90.8	7.7	1611	1	US-09-860-473-3 Sequence 3, Appli
12	90.8	7.7	1611	5	PCT-US93-00445-3 Sequence 3, Appli
13	89.6	7.6	1626	4	US-09-860-473-10 Sequence 10, Appl
14	80.4	6.8	1602	1	US-07-820-011A-1 Sequence 1, Appli
15	80.4	6.8	1602	5	PCT-US93-00445-1 Sequence 1, Appli
16	80.4	6.8	1759	4	US-09-470-881-2 Sequence 2, Appli
17	71	6.0	1491	2	US-09-006-675-1 Sequence 1, Appli
18	71	6.0	1491	3	US-09-228-603A-1 Sequence 1, Appli
19	68.4	5.8	282	2	US-09-006-675-5 Sequence 5, Appli
20	68.4	5.8	282	3	US-09-228-603A-5 Sequence 5, Appli
21	60.4	5.1	4517	4	US-09-470-881-7 Sequence 7, Appli
22	60.4	5.1	4517	5	PCT-US93-06251-83 Sequence 83, Appl
23	59.4	5.0	874	4	US-09-023-655-931 Sequence 931, App
24	55.8	4.7	1467	4	US-09-579-182-2 Sequence 2, Appli
25	55.8	4.7	1548	4	US-09-099-053-1 Sequence 1, Appli
26	48	4.1	144	5	PCT-US93-06251-13 Sequence 13, Appl
27	46	3.9	190	5	PCT-US93-06251-14 Sequence 14, Appl

28	43.2	3.7	498	6	5219739-21	Patent No. 5219739
29	42.8	3.6	164	1	US-08-306-691B-28	Sequence 28, Appl
30	42.8	3.6	164	4	US-09-860-473-17	Sequence 17, Appl
31	42.8	3.6	164	5	PCT-US93-06251-70	Sequence 70, Appl
32	41.6	3.5	197	5	PCT-US95-10973A-18	Sequence 18, Appl
33	41.6	3.5	231	4	US-09-244-583-13	Sequence 13, Appl
34	41.6	3.5	444	4	US-09-392-932-6	Sequence 6, Appli
35	41.6	3.5	444	4	US-09-574-708A-1	Sequence 1, Appli
36	41.6	3.5	444	4	US-09-392-931-1	Sequence 1, Appli
37	41.6	3.5	456	5	PCT-US95-10973A-88	Sequence 88, Appl
38	41.6	3.5	467	5	PCT-US95-10973A-86	Sequence 86, Appl
39	41.6	3.5	473	3	US-08-718-904-1	Sequence 1, Appli
40	41.6	3.5	473	4	US-09-449-249-1	Sequence 1, Appli
41	41.6	3.5	473	5	PCT-US95-10973A-25	Sequence 25, Appl
42	41.6	3.5	495	4	US-09-244-583-25	Sequence 25, Appl
43	41.6	3.5	495	4	US-09-037-983C-14	Sequence 14, Appl
44	41.6	3.5	498	6	5194596-20	Patent No. 5194596
45	41.6	3.5	516	3	US-08-784-551C-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-023-655-1105
; Sequence 1105, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2015 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g183911
; US-09-023-655-1105

Query Match 10.4%; Score 123; DB 4; Length 2015;

	Best Local Similarity 53.9%; Pred. No. 1.5e-25; Matches 283; Conservative 0; Mismatches 230; Indels 12; Gaps 1;
QY	457 CCAAGGCCAGGACCTGTGACCATGGAACAGAGAGAACAAGGCCACAGCGCTGGCCCT 516
Db	303 CAAAGCAACACACCAAGAACTCAGGAGGAGCGCTCTGAGGACATCATCTGTTGCTCT 362
QY	517 GGGCAGTTTCGCCGCAAGTGGCCCGCGAGCTGTGCTGTGAGACTCGGGAGACCAATGAC 576
Db	363 GTATGATTTACAGAGCCATTACACCAAGAACCTCAGCTTCCAGAAAGGGAGCAAGATGGT 422
QY	577 CATCGTCTCTCAGGATCGGAGACTGGTGTGACGGTCTGTCTGAACTCTCAGGCAGAGATGA 636
Db	423 GGTCTTAGAGAAATCCGGGGAGTGGTGAAGGTCGATCCCTGGCCACCCGGAAGAGGG 482
QY	637 TAAATATCCCAAGCTGCACGTGGGCAAAAGTCTCCCAT-----GGGTGGCTGTA 684
Db	483 CTACATCCCAAGCAACTATATGTCCCGCTTGACTCTCTGGACAGAGAGTGGTTT 542
QY	685 TGAGGECCTGAGCGAGGAGAAAGCAGAGGAATCTGTGTTGTACTTGGGAACCTTGGAGG 744
Db	543 CAAAGGCACTACGCGGAGAGGACGACAGACGCCAACTGCTGGCTCCGGCAAATGCTGGG 602
QY	745 GGCCTTCCTCATCCGGGAGAGCCAGACACAGAGAGGCTTTACTCTCTCAGTCCGGCT 804
Db	603 CTCCTTCATGATCCGGGTAGCGAGACCACTAAAGGAAGTACTCTTTGTCGTGCGAGA 662
QY	805 CAGCGCCCTGCACTCTGGGACGGATCAGACACTACAGATCCATGCTTGACATGG 864
Db	663 CTCAGACCTCGGACGGGAGATACCGTGAACAATTACAAGATCCGACCCCTGGACACGG 722
QY	865 CTGGCTGTACATCTCACCGCGCTCAGCTTCCCTCACTCCAGGCCCTGGTGGACCAATTA 924
Db	723 GGGCTTTACATATCCCCCGAAGCACTTCAGCACTCTCGAGGACCTGTCGACCACTA 782
QY	925 CTCTCAGCTGGCGGATGACATCTCTGCTGCTACTCAGAGGCCCTG 969
Db	783 CAAAGAAGGGAAACACAGCGGCTCTGCCAGAAACTGTGCTGCCCTG 827

COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1080:
SEQUENCE CHARACTERISTICS:
LENGTH: 2354 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g182573
US-09-023-655-1080

1 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
2
3 TITLE OF INVENTION: PATHWAY GENE EXPRESSION
4
5 NUMBER OF SEQUENCES: 1490
6
7 CORRESPONDENCE ADDRESS:
8
9 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
10
11 STREET: 3174 PORTER DRIVE
12
13 CITY: PALO ALTO
14
15 STATE: CALIFORNIA
16
17 COUNTRY: USA
18
19 ZIP: 94304
20
21 COMPUTER READABLE FORM:
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23 MEDIUM TYPE: Floppy disk
24
25 COMPUTER: IBM PC compatible
26
27 OPERATING SYSTEM: PC-DOS/MS-DOS
28
29 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
30
31 CURRENT APPLICATION DATA:
32
33 APPLICATION NUMBER: US/09/016,434
34
35 FILING DATE: HERewith
36
37 CLASSIFICATION:
38
39 PRIOR APPLICATION DATA:
40
41 APPLICATION NUMBER:
42
43 FILING DATE:
44
45 CLASSIFICATION:
46
47 ATTORNEY/AGENT INFORMATION:
48
49 NAME: Zeller, Karen J.
50
51 REGISTRATION NUMBER: 37,071
52
53 REFERENCE/DOCKET NUMBER: PA-0002 US
54
55 TELECOMMUNICATION INFORMATION:
56
57 TELEPHONE: (650) 855-0555
58
59 TELEFAX: (650) 845-4166
60
61 INFORMATION FOR SEQ ID NO: 1452:
62
63 SEQUENCE CHARACTERISTICS:
64
65 LENGTH: 2129 base pairs
66
67 TYPE: nucleic acid
68
69 STRANDEDNESS: single
70
71 TOPOLOGY: linear
72
73 IMMEDIATE SOURCE:
74
75 LIBRARY: GENBANK
76
77 CLONE: g775207
78
79 US-09-016-434-1452

RESULT 4

Qy	918	ACATTACTCTGAGCTGGGGATGACATCTGCTGCTACTCTCAAGAGAGCCCTGTGTCCTGC	977
Db	679	GCATTATACCAATGCTTTCAGATGGGCTGTGCACACGGTTGAGCCGCCCTCGCAGACC	738
Qy	978	AGAGGGC	984
Db	739	AGAAGCC	745

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RESULT 5
US-08-707-793A-3
; Sequence 3, Application US/08707793A
; Patent No. 5776696
; GENERAL INFORMATION:
; APPLICANT: SALOWE, SCOTT P.
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:

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	Query Match	8.5%;	Score 101;	DB 1;	Length 675;
	Best Local Similarity	59.0%;	Pred. No. 2e-19;		
	Matches 173;	Conservative	0;	Mismatches 120;	Indels 0;
				Gaps	0;
Qy	677	TGGCTGTATAGGGCTCAGCAGGAGAGAAACAGAGAACTGCTGTGTCTTACTCTGGGAAC	736		
Db	373	TGGTCTTTCAGAACTGAGCCGCGAGGACGCGAGCGGAGCTCTGGCGCCCGGGAAC	432		
Qy	737	CCTGGAGGGGCTTCTTCATCCGGAGAGCCAGACGAGAGAGCTTCTTACTCTCTGTGCA	796		
Db	433	ACTCAGCGCTCTTCTTCATCCGGAGAGGAGAGCACCCGGGGATCGTTTTTCACTGTGC	492		
Qy	797	GTCGCGCTCAGCGCGCTTCCTTGGAGCCGGATCAGACACTACAGGATCCACTGCCTT	856		
Db	493	GTCGCGGATCTTCAGACAGAACGAGGAGGTTGTTGAAATTACAGATCCGTAATCTG	552		
Qy	857	GACAAATGGCTGGCTGTACATCTACCCGGCGCTCACCTTCCCTTCATCTCCAGGCGCTGGTG	916		
Db	553	GACACGGTGGCTTCTACATCTCCCTTCGAATCACTTTTCCGGCGCTCATGAATGCTGC	612		

Qy 917 GACCATTTACTCTGAGCTGGGGATGACATCTGCTGCTACTCAAGGAGCCCTG 969
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 Db 613 CGCCATTACACCAATGTTTCAGATGGGCTGTGCACACGGTTGAGCGGCCCTG 665
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RESULT 6
US-08-707-792A-3
; Sequence 3, Application US/08707792A
; Patent No. 5783398
; GENERAL INFORMATION:
; APPLICANT: MARCY, ALICE
; APPLICANT: SALOWE, SCOTT P.
; APPLICANT: WISNIEWSKI DOUGLAS
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
;

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	Query Match	8.5%;	Score 101;	DB 1;	Length 675;
	Best Local Similarity	59.0%;	Pred. No. 2e-19;		
	Matches 173;	Conservative	0;	Mismatches 120;	Indels 0;
				Gaps	0
Qy	677	TGGCTGTATAGGGGCTTCGACAGGAGAAACGAGAGAACTGTGTTGTTTACCTGGGAAC	736		
Db	373	TGGTCTTTCAGAACTGAGCGCGCAGACGCGAGCGGCAGCTCTTGCGGCCGGGAC	432		
Qy	737	CTTGAGAGGGGCTTCCTCATCCGGAGAGCCAGACGAGAGGCTCTTACTCTCTGTCTCA	796		
Db	433	ACTCAGGCTCTCTTCCTCATCCGGAGAGCGAGAGCACCGCGGGATCGTTTTCACTGTGG	492		
Qy	797	GTCCGCTCAGCGGCGCTTCATCTCGGACCGGATCAGACACTACAGGATCCACTCCCTT	856		
Db	493	GTCCGGGACTTCGACAGAACAGAGGAGGTGTGAACATTTACAGATCCGTATCTGTG	552		
Qy	857	GACAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTTCATCTCCAGGCGCTGGTG	916		
Db	553	GACACGGTGGCTTCTACATCTCCCTCGAATCACTTTCCCGGCTCGATGATCACTGGTCT	612		

Qy 917 GACCAATTCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTG 969
Db 613 GCCCAATACCAATGCTTCAAGTGGCTGTGCACACGGTTGAGCGGCCCTG 665

RESULT 7
US-09-023-655-1313
; Sequence 1313, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2435 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g338227
US-09-023-655-1313

Query Match 7.8%; Score 92.6; DB 4; Length 2435;
Best Local Similarity 56.9%; Pred. No. 9.6e-17;
Matches 170; Conservative 0; Mismatches 129; Indels 0; Gaps 0;
Qy 672 ATGGGTGGCTGTATGAGGCGCTGAGCAGGAGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 810 AAGAGTGGTACTTGGAAAACCTTGGCGAAAGATGCTGAGCGACAGCTATGTCCTTTG 869
Qy 732 GAAACCTGGAGGCGCTTCTCATCCGAGAGCCAGCAGGAGAGGCTTACTCTC 791
Db 870 GAAACCAAGAGTACCTTTCTTATCCGAGAGTGAACCAACCAAGGCTCTATTAC 929
Qy 792 TGTCACTCCGCTCAGCCGCTGCTGCTGCGGAGCGGATCAGACACTACAGGATCCACT 851
Db 930 TTCTATCCGTGATTGGGATGATATCAAGAGAGACCATGTCAACATTATAAATTGCA 989
Qy 852 GCCTTGACAATGGCTGGCTGATACACTACCGCGCTCACTTCCCTCACTCCAGGCC 911
Db 990 AACTTGACAATGGTGATACACTACATACCAACCGGCGCCGAGTTGAAACACTTTCAGCAGC 1049

Qy 912 TGGTGACCAATTACTCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTGT 970
Db 1050 TTGTACAACTTACTCAGAGAGAGTGCAGGTCTCTGCTGCGCCCTAGTAGTTCCTTGT 1108

RESULT 8
US-09-220-132-77
; Sequence 77, Application US/09220132
; Patent No. 6508607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 2647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-77

Query Match 7.7%; Score 91; DB 4; Length 2647;
Best Local Similarity 56.5%; Pred. No. 2.9e-16;
Matches 169; Conservative 0; Mismatches 130; Indels 0; Gaps 0;
Qy 672 ATGGGTGGCTGTATGAGGCGCTGAGCAGGAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 1019 AAGAGTGGTACTTTGGAAAACCTTGGCGAAAGATGCTGAGCGACAGTATTGCTCTTG 1078
Qy 732 GGAACCTGGAGGCGCTTCTCATCCGAGAGCCAGCAGCAGGAGAGGCTTACTCTC 791
Db 1079 GAAACCAAGAGTACCTTTCTTATCCGAGAGTGAACCAACCAAGGCTCTATTTCAC 1138
Qy 792 TGTCACTCCGCTCAGCCGCTGCTGCTGCGGAGCGGATCAGACACTACAGGATCCACT 851
Db 1139 TTCTATCCGTGATTGGGATGATATCAAGAGAGACCATGTCAACATTATAAATTGCA 1198
Qy 852 GCCTTGACAATGGCTGGCTGATACACTACCGGCGCTCACTTCCCTCACTCCAGGCC 911
Db 1199 AACTTGACAATGGTGGATACACTACATACCAACCGGCGCCAGTTTGAACACTTCAGCAGC 1258
Qy 912 TGGTGACCAATTACTCTGAGCTGGCGGATGACATCTGCTGCTTACTCAAGGAGCCCTGT 970
Db 1259 TTGTACAACTTACTCAGAGAGAGTGCAGGTCTCTGCTGCGCCCTAGTAGTTCCTTGT 1317

RESULT 9
PCT-US93-06251-77
; Sequence 77, Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/06251
FILING DATE: 19930630
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: DiGiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8586
TELEPHONE: 516-742-4343
TELEFAX: 516-742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 2647 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US93-06251-77

Query Match 7.7%; Score 91; DB 5; Length 2647;
Best Local Similarity 56.5%; Pred. No. 2.9e-16;
Matches 169; Conservative 0; Mismatches 130; Indels 0; Gaps 0;
QY 672 ATGGGTGGCTGTATGAGGGCTGAGCAGGAGGAAAGCAGAGAACTGGCTGTGTGTACCTG 731
DB 1019 AAGAGTGTACTTTGAAAACCTGGCCGAAAGATGCTGAGGACAGCTATTGTCTTTG 1078
QY 732 GGAACCTGGAGGGCTTCTTCATCCGGAGAGCCAGACAGAGAGAGCTCTTACTCTC 791
DB 1079 GAAACCAAGAGTACTTTCTTATCCGGAGAGTGAACCAACCAAGGTGCTTATTCAC 1138
QY 792 TGTCACTCGCCCTCAGCCGCTGCTGATCTGGAGCAGATCAGACTACAGATCCACT 851
DB 1139 TTCTATCTGTTGGATGATGAAAGGAGACCATGTCAAAATTATAAATTCGA 1198
QY 852 GCTTCAATAGCTGGCTGTATCTACATCTCACCGGCTCCTTCCCTCCTCCTCAGGCCC 911
DB 1199 AACTTGACAATGTGTACTACTACATACCAACCGGCGCCAGTTTGAACACCTTCAGCAGC 1258
QY 912 TGTGACCATTAATCTGAGCTGGCGGATGACATCTGCTGCTACTCAAGGAGCCCTGT 970
DB 1259 TTGTACAACATACTCAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCCTGT 1317

RESULT 10
US-07-820-011A-3
Sequence 3, Application US/07820011A
Patent No. 5336615
GENERAL INFORMATION:
APPLICANT: Bell, Leonard
APPLICANT: Madri, Joseph A.
APPLICANT: Warren, Stephen L.
APPLICANT: Luthringer, Daniel J.
TITLE OF INVENTION: Genetically Engineered
TITLE OF INVENTION: Migration
TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Maurice M. Klee
STREET: 1951 Burr Street
CITY: Fairfield
STATE: Connecticut
COUNTRY: USA
ZIP: 06430
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb storage
COMPUTER: IBM PC XT
OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
SOFTWARE: Displaywrite 3

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/820,011A
FILING DATE: 19920106
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Klee, Maurice M.
REGISTRATION NUMBER: 30,399
REFERENCE/DOCKET NUMBER: LB-101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 255 1400
TELEFAX: (203) 254 1101
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1611
TYPE: NUCLEIC ACID
STRANDEDNESS: Double
TOPOLOGY: Linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: No
ANTI-SENSE: No
ORIGINAL SOURCE:
ORGANISM: Homo sapien
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Chromosome 20
PUBLICATION INFORMATION:
AUTHORS: Anderson, Stephen K.
AUTHORS: Gibbs, Carol P.
AUTHORS: Tanaka, Akio
AUTHORS: Kung, Hsing-Jien
AUTHORS: Fujita, Donald J.
TITLE: Human Cellular src Gene:
TITLE: Nucleotide Sequence and Derived Amino
TITLE: Acid Sequence of the Region Coding for
TITLE: the Carboxy-Terminal Two-Thirds of
TITLE: pp60c-src
JOURNAL: Molecular and Cellular Biology
VOLUME: 5
ISSUE: 5
PAGES: 1122-1129
DATE: May, 1985
PUBLICATION INFORMATION:
AUTHORS: Tanaka, Akio
AUTHORS: Gibbs, Carol P.
AUTHORS: Arthur, Richard R.
AUTHORS: Anderson, Stephen K.
AUTHORS: Kung, Hsing-Jien
AUTHORS: Fujita, Donald J.
TITLE: DNA Sequence Encoding the
TITLE: Amino-Terminal Region of the Human c-src
TITLE: Protein: Implications of Sequence
TITLE: Divergence among src-Type Kinase
TITLE: Oncogenes
JOURNAL: Molecular and Cellular Biology
VOLUME: 7
ISSUE: 5
PAGES: 1978-1983
DATE: May, 1987
US-07-820-011A-3

Query Match 7.7%; Score 90.8; DB 1; Length 1611;
Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;
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DB 318 GAAAGGGAGCGCTCCAGATTGTCAACACACAGAGGGAGACTGGTGGCTGCCCATC 377
QY 616 TGAAGTCTCAGGCAGAGAGTATAACATCCCGCTCCACGTGCTCCAGTGG 663
DB 378 GCTCAGCACAGACAGACAGAGCTTACATCCCGCACTACGTGGCGCCCTCCGACTCCAT 437
QY 664 AGTCTCCCTGGGTGGTGTATGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGT 723

Db 438 CCAGGCTGAGGAGTGTATTTTGGCAAGATCACCAGCGGAGTCAGAGCGGTACTGCT 497
QY 724 GTTACTGGAACCTGGAGGGCTTCTCTCATCGGGAGAGCCAGACGAGAGGCTC 783
Db 498 CAATGCAGAGAACCCGAGAGGACCTTCTCTGCGGAGAAAGTGAGACCACCAAGGTC 557
QY 784 TTACTCTCTGTCAGTCCGCTCAGCGCGCTCATCTCTGGACCGGATCAGACACTACAG 843
Db 558 CTACTGCTCTCAGTGTCTGACTTCGACAAACGCAAGGCGCTCAAGCTGAAGCACTACAA 617
QY 844 GATCCACTGCTTGACAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTCACT 903
Db 618 GATCCGCAAGCTGGACAGCGGGCTTCTACATCACTCCCGCACCCAGTTCAACAGGCT 677
QY 904 CCAGGCGCTGGTGACCACTTACTCTGAGCTGGCGGATGACATCTGTGCTACTCA 959
Db 678 GCAGCAGCTGGTGGCTTACTTCTCAACACCGCGATGGCTGTGCCACCGCTCA 733

RESULT 11
US-09-860-473-3
; Sequence 3, Application US/09860473
; Patent No. 6656732
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION
; FILE REFERENCE: RTS-0222
; CURRENT APPLICATION NUMBER: US/09/860,473
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 3
; LENGTH: 1611
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1611)
US-09-860-473-3

Query Match 7.7%; Score 90.8; DB 4; Length 1611;
Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;
QY 556 GAGACTGGGGAGCCATTACCATGCTCTCTGAGATGGAGACTGGTGACGGTCTGTC 615
Db 318 GAAAGCGAGCGGCTCCAGATTGTCAACAAACACAGAGGGAGACTGGTGCTGGCCACTC 377
QY 616 TGAAGTCTCAGGCAGACAGTATAACATCCCGCGCTCCACGTGG-----GCAA 663
Db 378 GCTCAGCAGACAGACAGGCTACATCCCGAGCACTACGTGGCGCTCCGACTCCAT 437
QY 664 AGTCTCCATGGGTGCTGTATGAGGGCTGTAGAGGGAGAAAGCAGAGGAACTGCTGT 723
Db 438 CCAGGCTGAGGAGTGTATTTTGGCAAGATCACCAGCGGAGTCAGAGCGGTACTGCT 497
QY 724 GTTACTGGGAACCTGGAGGGCTTCTCTCATCGGGAGAGCCAGACGAGAGGCTC 783
Db 498 CAATGCAGAGAACCCGAGAGGACCTTCTCTGCGGAGAAAGTGAGACCACCAAGGTC 557
QY 784 TTACTCTCTGTCAGTCCGCTCAGCGCGCTCATCTCTGGACCGGATCAGACACTACAG 843
Db 558 CTACTGCTCTCAGTGTCTGACTTCGACAAACGCAAGGCGCTCAAGCTGAAGCACTACAA 617
QY 844 GATCCACTGCTTGACAATGGCTGGCTGTACATCTCACCGCGCTCACTTCCCTCACT 903
Db 618 GATCCGCAAGCTGGACAGCGGGCTTCTACATCACTCCCGCACCCAGTTCAACAGGCT 677
QY 904 CCAGGCGCTGGTGACCACTTACTCTGAGCTGGCGGATGACATCTGTGCTACTCA 959
Db 678 GCAGCAGCTGGTGGCTTACTTCTCAACACCGCGATGGCTGTGCCACCGCTCA 733

RESULT 12
PCT-US93-00445-3
; Sequence 3, Application PC/TUS9300445
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.
; TITLE OF INVENTION: Genetically Engineered
; TITLE OF INVENTION: Endothelial Cells
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Maurice M. Klee
; STREET: 1951 Burr Street
; CITY: Fairfield
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06430
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 760 Kb storage
; COMPUTER: DELL 486/50
; OPERATING SYSTEM: DOS 5.0
; SOFTWARE: Displaywrite 3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/00445
; FILING DATE: 19930105
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/820,011
; FILING DATE: 06-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Klee, Maurice M.
; REGISTRATION NUMBER: 30,399
; REFERENCE/DOCKET NUMBER: ALX-101PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 255 1400
; TELEFAX: (203) 254 1101
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1611
; TYPE: NUCLEIC ACID
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: No
; ANTI-SENSE: No
; ORIGINAL SOURCE:
; ORGANISM: Homo sapien
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: Chromosome 20
; PUBLICATION INFORMATION:
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Tanaka, Akio
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.
; TITLE: Human Cellular src Gene:
; TITLE: Nucleotide Sequence and Derived Amino
; TITLE: Acid Sequence of the Region Coding for
; TITLE: The Carboxy-Terminal Two-Thirds of
; JOURNAL: pp60c-src
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 5
; ISSUE: 5
; PAGES: 1122-1129
; DATE: May, 1985
; PUBLICATION INFORMATION:
; AUTHORS: Tanaka, Akio
; AUTHORS: Gibbs, Carol P.
; AUTHORS: Arthur, Richard R.
; AUTHORS: Anderson, Stephen K.
; AUTHORS: Kung, Hsing-Jien
; AUTHORS: Fujita, Donald J.

; TITLE: DNA Sequence Encoding the
; TITLE: Amino-Terminal Region of the Human c-src
; TITLE: Protein: Implications of Sequence
; TITLE: Divergence among src-Type Kinase
; TITLE: Oncogenes
; JOURNAL: Molecular and Cellular Biology
; VOLUME: 7
; ISSUE: 5
; PAGES: 1978-1983
; DATE: May, 1987
PCT-US93-00445-3

Query Match 7.7%; Score 90.8; DB 5; Length 1611;

Best Local Similarity 53.4%; Pred. No. 2.6e-16;
Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;

Qy 556 GAGACTCGGGAGCCATTGACCATCTCTCTGAGGATGAGACTGGTGACGGTGTGTC 615

Db 318 GAAAGCGAGCGCTCCAGATTCTCAACAAACACAGAGGGAGACTGGTGGCTGGCCCACTC 377

Qy 616 TGAAGTCTCAGGCAGAGAGTATACATCCCGCGTCCACGTGG-----GCAA 663

Db 378 GCTCAGCAGGACAGACAGAGGCTATCTCCAGCAACTAGTGGCGCCCTCCGACTCCAT 437

Qy 664 AGTCTCCATGGTGTGCTGATGAGGGCTGTGACGAGGAGAAAGCAGAGAACTGCTGTT 723

Db 438 CCAGGCTGAGGAGTGTGTTTGGCAAGATCACAGACGGGAGTCAGAGCGGTACTGCT 497

Qy 724 GTTACTGGAAACCTGGAGGGCTTCTCTCATCCGGGAGACCCAGCAGAGAGGCTC 783

Db 498 CAATGAGAGAACCCGAGAGGGACCTTCTCTGTGCGAGAAAGTGAACCAAGAGGTGC 557

Qy 784 TTACTCTCTCAGTCCGCTCAGCGCGCTGTGATCCTGGGACCGGATCAGACACTACAG 843

Db 558 CTACTGCTCTCAGTGTGCTGACTTCGACACGCGCAAGGGCTCAACGTGAAGCACTACAA 617

Qy 844 GATCCACTGCTTGACAAATGGCTGGGTGTACATCTCACGGCGCTCACCTTCCCTCACT 903

Db 618 GATCCGCAAGCTGACAGCGGGGGCTTCTACATCACTCCCGACCCAGCTTCAACAGGCT 677

Qy 904 CCAGGCGCTGGTGACCATCTCTCAGCTGGCGGATGACATCTGTGCTACTCA 959

Db 678 GCAGCAGCTGGTGGCTACTACTCCAAACAGCGGATGCGCTGCGCCAGCGCTCA 733

RESULT 13

US-09-860-473-10

; Sequence 10, Application US/09860473

; Patent No. 6656732

; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett

; APPLICANT: Andrew T. Watt

; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION

; FILE REFERENCE: RTS-0222

; CURRENT APPLICATION NUMBER: US/09/860,473

; CURRENT FILING DATE: 2001-05-18

; NUMBER OF SEQ ID NOS: 169

; SEQ ID NO 10

; LENGTH: 1626

; TYPE: DNA

; ORGANISM: Mus musculus

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(1626)

US-09-860-473-10

Query Match 7.6%; Score 89.6; DB 4; Length 1626;

Best Local Similarity 56.9%; Pred. No. 5.8e-16;

Matches 164; Conservative 0; Mismatches 124; Indels 0; Gaps 0;

Qy 672 ATGGGTGGCTGTATGAGGGCTCAGCAGGGGAGAAACAGAGAACTGCTGTTGTACTCGT 731

Db 461 AGAGTGGTACTTTGGCAAGATCACTAGACGGGATCAGAGCGGCTGCTCAAGCGCG 520

Qy 732 GGAACCTGGAGGGGCTTCTCATCGGAGAGCAGACGAGAGGCTCTTACTCTC 791

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Qy 792 TGTCACTCCGCTCAGCGGCTGCTGATCTCTGGGACCGGATCAGACACTACAGATCCACT 851

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Qy 852 GCCTTGACATGGCTGGCTGTACATCTCAGCGGCTCAGCTTCCCTCACTCCAGGCC 911

Db 641 AGCTGGAGACGGGCGGTTTCTACATCACCTCCCGCACCCAGTTCAACAGCTCGAGCG 700

Qy 912 TGGTGGACCATTTACTCTGAGCTGGCGGATGACATCTGCTGCTACTCA 959

Db 701 TCGTGGCTTACTACTCCAAACATGCTGATGGCTGTGTACACCGCTCA 748

RESULT 14

US-07-820-011A-1

; Sequence 1, Application US/07820011A

; Patent No. 5336615

; GENERAL INFORMATION:

; APPLICANT: Bell, Leonard

; APPLICANT: Madri, Joseph A.

; APPLICANT: Warren, Stephen L.

; APPLICANT: Luthringer, Daniel J.

; TITLE OF INVENTION: Genetically Engineered

; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced

; TITLE OF INVENTION: Migration

; TITLE OF INVENTION: and Plasminogen Activator Activity

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Maurice M. Klee

; STREET: 1951 Burr Street

; CITY: Fairfield

; STATE: Connecticut

; COUNTRY: USA

; ZIP: 06430

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 5.25 inch, 360 Kb storage

; COMPUTER: IBM PC XT

; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10

; SOFTWARE: Displaywrite 3

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/820,011A

; FILING DATE: 19920106

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Klee, Maurice M.

; REGISTRATION NUMBER: 30,399

; REFERENCE/DOCKET NUMBER: LB-101

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (203) 255 1400

; TELEFAX: (203) 254 1101

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1602 base pairs

; TYPE: NUCLEIC ACID

; STRANDEDNESS: Double

; TOPOLOGY: Linear

; MOLECULE TYPE: CDNA to mRNA

; HYPOTHETICAL: No

; ANTI-SENSE: No

; ORIGINAL SOURCE:

; ORGANISM: Gallus, gallus

; PUBLICATION INFORMATION:

; AUTHORS: Takeya, Tatsuo

; AUTHORS: Hanafusa, Hidesaburo

; TITLE: Structure and Sequence of the

; TITLE: Cellular Gene Homologous to the RSV src

; TITLE: Gene and the Mechanism for Generating the

; TITLE: Transforming Virus

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JOURNAL: Cell
VOLUME: 32
PAGES: 881-890
DATE: March, 1983
US-07-820-011A-1

Query Match
Best Local Similarity 54.4%; Score 80.4; DB 1; Length 1602;
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 672 ATGGGTGGCTGTATAGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 437 AAGAGTGGTACTTTGGGAAGATCACTCGTCGGAGTCCGAGCGGTGCTCAACCCG 496
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QY 792 TGTGAGTCCGCTCAGCCGCTGATCTCGGAGCGGATCAGACACTACAGATCCACT 851
Db 557 TCTCCGTTTCTGACTTTTGACACGCCAAGGGCTCAATGTGAAGCACTACAGATCCGCA 616
QY 852 GCCTTGACAATGCTGGCTGTACATCTCACCGCGCTCACCTTCCCTCCTCAGGCCC 911
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QY 912 TGGTGACCAATTAATCTGAGCTGGGGATGACATCTGCTGCTACTCAAGAGCCCTG 969
Db 677 TGGTGGCTTACTACTCCAAACATGCTGATGGTGTGTCACCGCTGACCAACGCTG 734

RESULT 15
PCT-US93-00445-1
Sequence 1, Application PC/TUS9300445
GENERAL INFORMATION:
APPLICANT: Bell, Leonard
APPLICANT: Madri, Joseph A.
APPLICANT: Warren, Stephen L.
APPLICANT: Luthringer, Daniel J.
TITLE OF INVENTION: Genetically Engineered
TITLE OF INVENTION: Endothelial Cells
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: Maurice M. Klee
STREET: 1951 Burr Street
CITY: Fairfield
STATE: Connecticut
COUNTRY: USA
ZIP: 06430
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 760 Kb storage
COMPUTER: DELL 486/50
OPERATING SYSTEM: DOS 5.0
SOFTWARE: Displaywrite 3
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/00445
FILING DATE: 19930105
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/820,011
FILING DATE: 08-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Klee, Maurice M.
REGISTRATION NUMBER: 30,399
REFERENCE/DOCKET NUMBER: ALX-101PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 255 1400
TELEFAX: (203) 254 1101
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1602 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: Double
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TOPOLOGY: Linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Gallus, gallus
PUBLICATION INFORMATION:
AUTHORS: Takeya, Tatsuo
AUTHORS: Hanafusa, Hidesaburo
TITLE: Structure and Sequence of the
TITLE: Cellular Gene Homologous to the RSV src
TITLE: Gene and the Mechanism for Generating the
TITLE: Transforming Virus
JOURNAL: Cell
VOLUME: 32
PAGES: 881-890
DATE: March, 1983
PCT-US93-00445-1

Query Match
Best Local Similarity 54.4%; Score 80.4; DB 5; Length 1602;
Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 672 ATGGGTGGCTGTATAGAGGCGCTGAGCAGGAGAAAGCAGAGAACTGCTGTGTACCTG 731
Db 437 AAGAGTGGTACTTTGGGAAGATCACTCGTCGGAGTCCGAGCGGTGCTCAACCCG 496
QY 732 GGAACCTCGAGGGGCTTCTCATCCGGAGAGCCAGACAGGAGAGGCTCTTACTTC 791
Db 497 AAAACCCCGGGAACTTCTTGGTCCGGAGAGAGCAGCAAAAAGGTGCTATTGCC 556
QY 792 TGTGAGTCCGCTCAGCCGCTGATCTCGGAGCGGATCAGACACTACAGATCCACT 851
Db 557 TCTCCGTTTCTGACTTTTGACACGCCAAGGGCTCAATGTGAAGCACTACAGATCCGCA 616
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QY 912 TGGTGACCAATTAATCTGAGCTGGGGATGACATCTGCTGCTACTCAAGAGCCCTG 969
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Search completed: July 24, 2004, 23:36:00
Job time : 168.433 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

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(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-74
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters: 6432934

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1183	100.0	1183	13	US-09-939-853A-74
3	784.4	66.3	786	15	US-10-043-649-1
4	775.4	65.5	864	10	US-09-814-353-21302
5	758.2	64.1	763	9	US-09-867-550-953
6	724.2	61.2	1413	17	US-10-115-635-120
7	348	29.4	444	9	US-09-867-550-951
8	341	28.8	875	9	US-09-867-550-1915
9	213.4	18.0	320	10	US-09-814-353-17314
10	157.4	13.3	2665	13	US-09-954-456-499
11	157.4	13.3	2665	13	US-10-342-887-1312
12	157.4	13.3	2665	13	US-10-172-118-1312
13	157.4	13.3	3756	14	US-10-002-600-91
14	141.6	12.0	432	9	US-09-864-761-2829

15	141.8	12.0	448	9	US-09-864-761-15513
16	131.6	11.1	152	10	US-09-814-353-4631
17	131.6	11.1	152	10	US-09-814-353-10930
18	124.6	10.5	2343	16	US-10-062-674-2038
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32	110.6	9.3	2032	12	US-09-997-722-233
33	110.6	9.3	2032	16	US-10-366-288-27
34	110.6	9.3	2032	17	US-10-316-515-4
35	110	9.3	1590	16	US-10-085-117-18
36	110	9.3	2354	9	US-09-967-768A-300
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38	110	9.3	2354	16	US-10-085-117-17
39	110	9.3	2354	17	US-10-641-643-1080
40	110	9.3	2433	15	US-10-240-965-114
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45	107.4	9.1	2129	17	US-10-316-515-75

ALIGNMENTS

RESULT 1

US-09-939-853A-74
; Sequence 74, Application US/09939853A
; Publication No. US2004003163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US2004003163alel Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Query Match	100.0%	Score 1183	DB 13	Length 1183
Best Local Similarity	100.0%	Pred. No. 0		
Matches 1183	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	AGCTAGAGCTCCAAGGACCCACGCTGTCTGTCTGTGACAGAGCTCAAGGGGCCCTGGG	60	
Db	1	AGCTAGAGCTCCAAGGACCCACGCTGTCTGTCTGTGACAGAGCTCAAGGGGCCCTGGG	60	
QY	61	CTTCCCTCCCTGGCTGGCTGTCTGTGGAGGTTCCCGAGTCCAGATCCCTAAGAG	120	
Db	61	CTTCCCTCCCTGGCTGGCTGTCTGTGGAGGTTCCCGAGTCCAGATCCCTAAGAG	120	

Db 583 CTGGAGGCTGTCTGAAGTCTCAGGCAGAGAGTATACATCCCAAGCTCCAGTGGG 524
Qy 661 CAAGTCTCCCATGCTGGTCTATGAGGCTGAGCAGGAGGAAGCAGAGGAACTGCT 720
Db 523 CAAGTCTCCCATGCTGGTCTATGAGGCTGAGCAGGAGGAAGCAGAGGAACTGCT 464
Qy 721 GTTGTACTCTGGAAACCTTGGAGGGCTTCTCTATCCGGAGAGCCAGACAGAGAGG 780
Db 463 GTTGTACTCTGGAAACCTTGGAGGGCTTCTCTATCCGGAGAGCCAGACAGAGAGG 404
Qy 781 CTCTTACTCTCTGTCAGTCCGCTCAGCGCCCTCATCTCTGGGACCGGATCAGACACTA 840
Db 403 CTCTTACTCTCTGTCAGTCCGCTCAGCGCCCTCATCTCTGGGACCGGATCAGACACTA 344
Qy 841 CAGGATCCACTGCTTGAATGGCTGGCTGTACATCTCACCGCCCTCACTTCCCTC 900
Db 343 CAGGATCCACTGCTTGAATGGCTGGCTGTACATCTCACCGCCCTCACTTCCCTC 284
Qy 901 ACTCAGGCCCTGTGGACCATTAATCTGTAGTGGGATGAGATGATGCTGCTGCTACTCAA 960
Db 283 ACTCAGGCCCTGTGGGACCATTAATCTGTAGTGGGATGAGATGATGCTGCTGCTACTCAA 224
Qy 961 GGAGCCCTGTGCTCTGTCAGAGGGCTGGCCGCTCCCTTGGCAAGGATATACCCCTACTGT 1020
Db 223 GGAGCCCTGTGCTCTGTCAGAGGGCTGGCCGCTCCCTTGGCAAGGATATACCCCTACTGT 164
Qy 1021 GACTGTGACAGAGACACACTCAACTGAAAGAGTGTGACAGCTCCCTCCCTGTTTCTGA 1080
Db 163 GACTGTGACAGAGACACACTCAACTGAAAGAGTGTGACAGCTCCCTCCCTGTTTCTGA 104
Qy 1081 AGCTGCCACAGGGAGGAGTCTTCTCACTGAGGGTCTCCGGAGTCCCTCAGCTTCTA 1140
Db 103 AGCTGCCACAGGGAGGAGTCTTCTCACTGAGGGTCTCCGGAGTCTCCGGAGTCTCCCTCAGCTTCTA 44
Qy 1141 CATCAGCTGATGACGAGGCTGTCTCTTTGGATGATGCTTAG 1183
Db 43 CATCAGCTGATGACGAGGCTGTCTCTTTGGATGATGCTTAG 1

RESULT 3

US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Pavan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor
; FILE REFERENCE: Retroviral-based Functional Screen
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)

; OTHER INFORMATION:
US-10-043-649-1

Query Match 66.3%; Score 784.4; DB 15; Length 786;
Best Local Similarity 99.9%; Pred. No. 2.7e-232;
Matches 785; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 398 ATGGGAAGTCTGCCAGCAGAGAAATCTCTCCAAAGCCCAAGCTTGAAGTCTCTGTC 457
Db 1 ATGGGAAGTCTGCCAGCAGAGAAATCTCTCCAAAGCCCAAGCTTGAAGTCTCTGTC 60
Qy 458 CAAGCCAGGAGCTGTGACCATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 517
Db 61 CAAGCCAGGAGCTGTGACCATGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
Qy 518 GGCAGTTTCCCGCAGAGTGGCCCGCGAGCTCTCGCTGAGACTCGGGAGAGCCATTGACC 577
Db 121 GGCAGTTTCCCGCAGAGTGGCCCGCGAGCTCTCGCTGAGACTCGGGAGAGCCATTGACC 180
Qy 578 ATCGTCTCTGAGATGAGAGCTGGTGGAGCGTCTCTGAACTCTCAGGCAGAGAGTAT 637
Db 181 ATCGTCTCTGAGATGAGAGCTGGTGGAGCGTCTCTGAACTCTCAGGCAGAGAGTAT 240
Qy 638 AACATCCCCAGCGTCCACGTGGGCAAGTCTCCCATGGGTGGCTGTATGAGGCGCTGAGC 697
Db 241 AACATCCCCAGCGTCCACGTGGGCAAGTCTCCCATGGGTGGCTGTATGAGGCGCTGAGC 300
Qy 698 AGGAGAAAGAGAGAGAGTCTGTGTTTACCTTGGAGAGAGAGAGAGAGAGAGAGAGAG 757
Db 301 AGGAGAAAGAGAGAGAGTCTGTGTTTACCTTGGAGAGAGAGAGAGAGAGAGAGAGAG 360
Qy 758 CGGAGAGAGAGAGAGAGAGAGAGAGTCTTACTCTGTGAGTCCGCTCAGCGCGCTGCA 817
Db 361 CGGAGAGAGAGAGAGAGAGAGAGAGTCTTACTCTGTGAGTCCGCTCAGCGCGCTGCA 420
Qy 818 TCCTGGAG 877
Db 421 TCCTGGAG 480
Qy 878 TCACCGCGCTCAGCTTCCCTCAGTCCAGGCGCTGGTGGAGAGAGAGAGAGAGAGAGAG 937
Db 481 TCACCGCGCTCAGCTTCCCTCAGTCCAGGCGCTGGTGGAGAGAGAGAGAGAGAGAGAG 540
Qy 938 GATGACATCTGTGCTTACTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 997
Db 541 GATGACATCTGTGCTTACTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
Qy 998 GGCAAGATATACCCCTACCTGTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1057
Db 601 GGCAAGATATACCCCTACCTGTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660
Qy 1058 GACAGCTCCCTCTGTTTCTGAAGTGGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1117
Db 661 GACAGCTCCCTCTGTTTCTGAAGTGGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
Qy 1118 CTCGGAGAGTCCCTCAGCTTCTACATCAGGCTGATGACAGAGAGAGAGAGAGAGAGAGAG 1177
Db 721 CTCGGAGAGTCCCTCAGCTTCTACATCAGGCTGATGACAGAGAGAGAGAGAGAGAGAG 780
Qy 1178 GCCTAG 1183
Db 781 GCCTAG 786

RESULT 4

US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR

;; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
;; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
;; FILE REFERENCE: MRI-006B
;; CURRENT APPLICATION NUMBER: US/09/814,353
;; CURRENT FILING DATE: 2001-03-21
;; PRIOR APPLICATION NUMBER: US 60/191,031
;; PRIOR FILING DATE: 2000-03-21
;; PRIOR APPLICATION NUMBER: US 60/207,124
;; PRIOR FILING DATE: 2000-05-25
;; PRIOR APPLICATION NUMBER: US 60/211,940
;; PRIOR FILING DATE: 2000-06-15
;; PRIOR APPLICATION NUMBER: US 60/216,820
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: US 60/220,661
;; PRIOR FILING DATE: 2000-07-25
;; PRIOR APPLICATION NUMBER: US 60/257,672
;; PRIOR FILING DATE: 2000-12-21
;; NUMBER OF SEQ ID NOS: 22037
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 21302
;; LENGTH: 864
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 1_2_3_32, 862, 863, 864
;; OTHER INFORMATION: n = A,T,C or G

US-09-814-353-21302

Query Match 65.5%; Score 775.4; DB 10; Length 864;
Best Local Similarity 99.2%; Pred. No. 1.7e-229;
Matches 779; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 GCTAGAGCTCCAGAGACCCACGCGCTGTCTGTGACAGAGCTCAAGGGCCCTGGGC 61
DB 54 GCTAGAGCTCCAGAGACCCACGCGCTGTCTGTGACAGAGCTCAAGGGCCCTGGGC 113

QY 62 CTTCCCTCCCTGGCTCGGCTGTCTGTGGAGGGTTCCTCCAGTCCAGAAATCCCTAAGGAGC 121
DB 114 CTTCCCTCCCTGGCTCGGCTGTCTGTGGAGGGTTCCTCCAGTCCAGAAATCCCTAAGGAGC 173

QY 122 ATGGGGCAGCTGATCATCCCTGGTGTACAACTGCTGACTGACAGACAGATCTGAGCTA 181
DB 174 ATGGGGCAGCTGATCATCCCTGGTGTACAACTGCTGACTGACAGACAGATCTGAGCTA 233

QY 182 CCAAAACCAACACTAGCTCTCCCTGGAAGATCTCCAGGCTGAGAGATTCCTGGGTGT 241
DB 234 CCAAAACCAACACTAGCTCTCCCTGGAAGATCTCCAGGCTGAGAGATTCCTGGGTGT 293

QY 242 CTTAGAACCAAGGACACTGGGACATTCAGAGGGCCCCCAAGCCCTTAACCTGTCAG 301
DB 294 CTTAGAACCAAGGACACTGGGACATTCAGAGGGCCCCCAAGCCCTTAACCTGTCAG 353

QY 302 CCAGAGCATGCGTCTCAGCAGAGCTGTCTCCAGGCTTTGATGACAAACCAATTTCCC 361
DB 354 CCAGAGCATGCGTCTCAGCAGAGCTGTCTCCAGGCTTTGATGACAAACCAATTTCCC 413

QY 362 TCGATGATGTCTTCTGAGTGTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAAGA 421
DB 414 TCGATGATGTCTTCTGAGTGTCTGCTGAGGAAACAATGGGAAGTCTGCCAGCAGAAGA 473

QY 422 AATCTCTGCCAGCCCAAGCTTGAGTCTCTGCTCCAGGCGAGGACCTGTGACCATG 481
DB 474 AATCTCTGCCAGCCCAAGCTTGAGTCTCTGCTCCAGGCGAGGACCTGTGACCATG 533

QY 482 GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGAGTGGCCCG 541
DB 534 GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGAGTGGCCCG 593

QY 542 GCCGAGCTGCTGAGACTCGGGGAGCCATTTGACCATGCTCTGTGAGATGGAGACTGG 601
DB 594 GCCGAGCTGCTGAGACTCGGGGAGCCATTTGACCATGCTCTGTGAGATGGAGACTGG 653

RESULT 5

US-09-867-550-953

; Sequence 953, Application US/09867550

; Patent No. US20020082206A1

; GENERAL INFORMATION:

; APPLICANT: Leach, Martin D.

; APPLICANT: Mehraban, Fuad,

; APPLICANT: Conley, Pamela

; APPLICANT: Law, Debbie

; APPLICANT: Topper, James

; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and I

; FILE REFERENCE: 21402-013 (Cura-313)

; CURRENT APPLICATION NUMBER: US/09/867,550

; CURRENT FILING DATE: 2001-09-20

; PRIOR APPLICATION NUMBER: USSN 60/208,427

; PRIOR FILING DATE: 2000-05-30

; NUMBER OF SEQ ID NOS: 2125

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 953

; LENGTH: 763

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-867-550-953

Query Match 64.1%; Score 758.2; DB 9; Length 763;

Best Local Similarity 99.6%; Pred. No. 3.5e-224;

Matches 760; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 113 CTAAGGAGCATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGAT 172
DB 1 CTAAGGAGCATGGGCGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCAGACAGAT 60

QY 173 GCTGAGCTACCCAAACCAACACCTAGCCTCTCCCTGAAAGATCCTCCAGGCTGAGAGAT 232
DB 61 GCTGAGCTACCCAAACCAACACCTAGCCTCTCCCTGAAAGATCCTCCAGGCTGAGAGAT 120

QY 233 TCTGGGTCTCTAGGACCAAGGACATGGCAGACTTCCAGAGGGCCCCCAAGCCCTAA 292
DB 121 TCTGGGTCTCTAGGACCAAGGACATGGCAGACTTCCAGAGGGCCCCCAAGCCCTAA 180

QY 293 CTTGTCAGCCAGAGATGCTCTCAGCAGAGCTGTCTTCCCAAGCTTTTGATGACAAAC 352
DB 181 CTTGTCAGCCAGAGATGCTCTCAGCAGAGCTGTCTTCCCAAGCTTTTGATGACAAAC 240

QY 353 CAATTTCCCTCGATGATGCTCTCAGTGTCTGCTGAGGAAACAATGGGAAGTCTGCC 412
DB 241 CAATTTCCCTCGATGATGCTCTCAGTGTCTGCTGAGGAAACAATGGGAAGTCTGCC 300

QY 413 AGCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAGTTCCTCTGTCCAAAGCCAGGACCT 472
DB 301 AGCAGAGAGAAATCTCTGCAAGCCCAAGCTTGAGTTCCTCTGTCCAAAGCCAGGACCT 360

QY 473 GTGACCATGGAACAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGCAATTTCCCGGCA 532
DB 361 GTGACCATGGAACAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGCAATTTCCCGGCA 420

Query Match 29.4%; Score 348; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 3.1e-97;
Matches 348; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 CCTAGGACCAAGGACACTGCGACACTCCAGAGAGGCCCCCAAGCCCTAACTGTCAG 301
DB 1 CCTAGGACCAAGGACACTGCGACACTCCAGAGAGGCCCCCAAGCCCTAACTGTCAG 60
QY 302 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTC 361
DB 61 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTC 120
QY 362 TCCATGATGCTCTCTGAGTGTCTCTGAGGAGCAATGGAAGTGTGCCAGCAGAGA 421
DB 121 TCCATGATGCTCTCTGAGTGTCTCTGAGGAGCAATGGAAGTGTGCCAGCAGAGA 180
QY 422 AAATCTCTGCCAAGCCCAAGCTTGAATCTCTGTCCAAAGGCCAGGCACTGTGACCATG 481
DB 181 AAATCTCTGCCAAGCCCAAGCTTGAATCTCTGTCCAAAGGCCAGGCACTGTGACCATG 240
QY 482 GAAGCAGAGAGAGCAAGCCAGCCGCTGGCCCTGGGCAAGTTTCCGGCAGAGTGCCCG 541
DB 241 GAAGCAGAGAGAGCAAGCCAGCCGCTGGCCCTGGGCAAGTTTCCGGCAGAGTGCCCG 300
QY 542 GCCGAGCTGTGCTGAGACTCGGGGAGCCATTGACCATGCTCTCTGAG 589
DB 301 GCCGAGCTGTGCTGAGACTCGGGGAGCCATTGACCATGCTCTCTGAG 348

RESULT 8
US-09-867-550-1915
; Sequence 1915, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: Thereby
; CURRENT APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1915
; LENGTH: 875
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: Wherein n is one of a or t or c or g

US-09-867-550-1915

Query Match 28.8%; Score 341; DB 9; Length 875;
Best Local Similarity 100.0%; Pred. No. 5.4e-95;
Matches 341; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 843 GGATCACTGCTTGACAAATGCTGGCTGTATCATCTCACCGGCTCATCTTCCCTCAC 902
DB 2 GGATCACTGCTTGACAAATGCTGGCTGTATCATCTCACCGGCTCATCTTCCCTCAC 61
QY 903 TCCAGGCCCTGGTGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTCAAGG 962
DB 62 TCCAGGCCCTGGTGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTCAAGG 121
QY 963 AGCCCTGTGCTCTGAGAGGGTGGCCCGCTCCCTGGCAAGATATACCCCTACTGTGA 1022

DB 122 AGCCTGTGTCTCTCAGAGAGGCTGGCCCGCTCCTGGCAAGGATATACCCCTACCTGTGA 181
QY 1023 CTGTGCGAGGACACCACTCAACTGGAAAGAGCTGGACAGCTCCCTCTCTGTTTCTGAAG 1082
DB 182 CTGTGCGAGGACACCACTCAACTGGAAAGAGCTGGACAGCTCCCTCTCTGTTTCTGAAG 241
QY 1083 CTGCGACAGGGGAGGAGTCTCTTCTCAGTGAGGGTCTCCGGGAGTCCCTCAGCTTCTACA 1142
DB 242 CTGCGACAGGGGAGGAGTCTCTTCTCAGTGAGGGTCTCCGGGAGTCCCTCAGCTTCTACA 301
QY 1143 TCAGCTGGAATGACGAGGCTGTCTCTTTGGATGATGCTAG 1183
DB 302 TCAGCTGGAATGACGAGGCTGTCTCTTTGGATGATGCTAG 342

RESULT 9
US-09-814-353-17314
; Sequence 17314, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17314
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-814-353-17314

Query Match 18.0%; Score 213.4; DB 10; Length 320;
Best Local Similarity 95.2%; Pred. No. 1.3e-55;
Matches 220; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 536 GGCCCGCCGCGAGCTGTGCTGAGACTCGGGGAGCCATTGACCATGCTCTCTGAGGATGA 595
DB 90 GTCGCGCCGACGCTGCTGAGACTCGGGGAGCCATTGACCATGCTCTCTGAGGATGA 149
QY 596 GACTGTGAGACGCTGTGCTGAAGTCTCAGGAGAGAGTATAACATCCCGAGCTCCAC 655
DB 150 GACTGTGAGACGCTGTGCTGAAGTCTCAGGAGAGAGTATAACATCCCGAGCTCCAC 209
QY 656 GTGGGCAAGTCTCCCATGGTGGCTGATGAGGGCTCAGCAGGAGAGCAACGAGGAA 715
DB 210 GTGGGCAAGTCTCCCATGGTGGCTGATGAGGGCTCAGCAGGAGAGCAACGAGGAA 269
QY 716 CTGCTGTGTTTACCTGGGAACCTCTGGAGGGGCTTCTCTCATCCGGAGAGC 766
DB 270 CTGCTGTGTTTACCTGGGAACCTCTGGAGGGGCTTCTCTCATCCGGAGAGC 320

RESULT 10
US-09-954-456-499
; Sequence 499, Application US/09954456

	Query Match	13.3%;	Score 157.4;	DB 13;	Length 2665;
	Best Local Similarity	54.2%;	Pred. No. 5e-38;		
	Matches 354;	Conservative 0;	Mismatches 281;	Indels 18;	Gaps 1;
Qy	410	CCGAGCAGAGAATACTCTGCGCAAGCCCAAGCTTGAGTTCTCTGTCTCCAAAGGCCAGGGA	469		
Db	24	CCAGGGAAAAGAAAGAAATGGGAAACAGCATGAAATCCACCCCTGCGCTGCCGAGAGG	83		
Qy	470	CCCTGTGACCATGGAAGCAGAGAGCAAGGCCACAGCCGCTGGGCCCTGGGGCAGTTTCCCG	529		
Db	84	CCCTGCGCCCAACCGGAGGAGCTGGATAGCGACTTCTCTGCGCTGCTAAGTGACTACCCG	143		
Qy	530	GCAGTGGCCCCGCCGAGCTGTGCTCAGACTCGGGAGGCCATTGACCATCGTCTCTGTAG	589		
Db	144	TCCTCTGACATCAGCCCCCGATATTCCGCCGAGGGAGAAATGCGTGTGATTTCTGTAT	203		
Qy	590	GATGGACATGCTGGACCGTCTCTCTGAAGTCTTCAGGCAGAGAGTATAACATCCCCAGC	649		
Db	204	GAAGGGCGCTGTGGAAAGCTATTCTCTTAGCACTGTCGAGAGATTACATCCCTGGA	263		
Qy	650	GTCCACTGTGGCAAAAGTCTCCCATGGGTGGCTGTATGAGGGCCTGACGAGGAGAAAGCA	709		
Db	264	ATATGTGCGCCAGAGTTTACCATTGGCTGTCTTGAGGGCCCTGGGCAGAGACAAGGCC	323		
Qy	710	GAGAACTGCTGTGTTTACCTCTGGGACCCCTGGAGGGCCCTTCCTCATCTCGGAGAGCCAG	769		
Db	324	GAGGAGTGTCTGACGTGCCAGACACAAAGTTCGCTCTTTCATGATCAGAGAGTGTAG	383		
Qy	770	ACCAGGAGAGGCTCTTACTCTCTCTCAGTCCGCTCAGCCGCCCTGCATCTCTGGGACCGG	829		
Db	384	ACCAAGAAAGGTTTTTACTCTACTCTCGTGAGACACAGGCA-----G	425		

QY 830 ATCAGACACTACAGGATCCACTGCTTGAACAATGGCTGGCTGTACATCTCACCGGCGCTC 889
Db 426 GTAAGCATTAACGCATTTTCCTCTGCGGAACAATGTGTACTACATTTCCCGAGGCTC 485
QY 890 ACCTTCCCTCTACTCCAGGCGCTGGTGGACCAATTAATCTGTAGCTGGCGGATGACATCTGC 949
Db 486 ACCTTCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGTGGCTGATGCGCTGTGC 545
QY 950 TGCCTACTCAAGGAGCGCTGTGCTTGCAGAGGCGTGGCCGCTCCCTGGCAGGATATA 1009
Db 546 TGTGTCTACACGCGCTGCTGACACAAGACGCGTGGCCGACGATGAGGCGCTCC 605
QY 1010 CCCTACTCTGTGACTGTGACAGGACACCACTCACTGGAAGAGCTGGACAG 1062
Db 606 AGCTACCTGTACCTTGGCTCAGAGACTGTGGACTGGAGGAGCTGTCCAG 658

RESULT 12

US-10-172-118-1312
; Sequence 1312, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCES: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM 006748
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-1312

Query Match 13.3%; Score 157.4; DB 13; Length 2665;
Best Local Similarity 54.2%; Pred. No. 5e-38;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;
QY 410 CCAGCAGAGAGAAATCTCTGCCAGCCCAAGCTTGAGTTCTCTGTCCAGGCGCAGGA 469
Db 24 CAGGGAAAGAGAAATGGAAACAGCATGAATCCACCCCTGGCGCTGCCGAGG 83
QY 470 CTGTGACCATGGAAGCAGAGAGAAAGCAAGGCCACAGCGCTGGCCCTGGCGAGTTTCCCG 529
Db 84 CCCTTGCCCAACCCGAGGAGCTGGATAGCACTTCTTCCGCTCTAAGTACTACCCG 143
QY 530 GCAGTGGCGCGCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATGTCTCTGAG 589
Db 144 TCTCTGACATCAGCCCCCGGATATTCGCGCAGGGGAGAACTCGGTGATTTCTGAT 203
QY 590 GATGAGACTGTGGACGCTGTCTGAACTCTCAGGCAGAGAGATATAAATCCCCAGC 649
Db 204 GAAGGGGCTGTGGAAAGCTATTCTCTAGCACTGGTTCGAGAGAGTTTACATCCCTGA 263
QY 650 GTCCAGTGGGAAAGTCTCCCATGGTGGCTGTATGAGGCGCTGAGCAGGAGAGAGCA 709
Db 264 ATATGTGTGGCAGAGTTTACCATGGCTGGCTGTGTTGAGGCGCTGGGAGAGCAAGGCC 323
QY 710 GAGGAACCTGCTGTGTTTACCTGGGAACCCCTGGAGGGCGCTTCTCATCTCCGGAGAGCCAG 769

Db 324 GAGGAGCTGTGAGCTGCCAGACACAAAGGTGCGGCTCTCTTATGATCAGAGAGAGTGAG 383
QY 770 ACCAGGAGAGGCTCTTACTCTGTGCTAGTCCGCTGAGCCGCTGATCTCTGGACCGG 829
Db 384 ACCAAGAAAGGGTTTACTCACTGCTGGTGAGACACAGGCA-----G 425
QY 830 ATCAGACACTACAGGATCCACTGCTTGAACAATGGCTGGCTGTACATCTCACCGGCGCTC 889
Db 426 GTAAGCATTAACGCATTTTCCTCTGCGGAACAATGTGTACTACATTTCCCGAGGCTC 485
QY 890 ACCTTCCCTCTACTCCAGGCGCTGGTGGACCAATTAATCTGTAGCTGGCGGATGACATCTGC 949
Db 486 ACCTTCAGTGCCTGGAGGACCTGGTGAACCACTATTCTGAGTGGCTGATGCGCTGTGC 545
QY 950 TGCCTACTCAAGGAGCGCTGTGCTTGCAGAGGCGTGGCCGCTCCCTGGCAAGGATATA 1009
Db 546 TGTGTCTACACGCGCTGCTGACACAAGACGCGTGGCCGACGATGAGGCGCTCC 605
QY 1010 CCCTACTCTGTGACTGTGACAGGACACCACTCACTGGAAGAGCTGGACAG 1062
Db 606 AGCTACCTGTACCTTGGCTCAGAGACTGTGGACTGGAGGAGAGTGTCCAG 658

RESULT 13

US-10-002-600-91
; Sequence 91, Application US/10002600
; Publication No. US20020137077A1
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Christopher M.
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
; FILE REFERENCE: PA-0042 US
; CURRENT APPLICATION NUMBER: US/10/002,600
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/243,521
; PRIOR FILING DATE: 2000-10-25
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PERL Program
; SEQ ID NO 91
; LENGTH: 3756
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Template ID: 059263.15
US-10-002-600-91

Query Match 13.3%; Score 157.4; DB 14; Length 3756;
Best Local Similarity 54.2%; Pred. No. 5.4e-38;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;
QY 410 CCAGCAGAGAGAAATCTCTGCCAGCCCAAGCTTGAGTTCTCTGTCCAGGCGCAGGA 469
Db 1098 CCAGGAAAGAGAAATGGAAACAGCATGAATCCACCCCTGGCGCTGCCGAGAGG 1157
QY 470 CTGTGACCATGGAAGCAGAGAGAAAGCAAGGCCACAGCGCTGGCCCTGGCGAGTTTCCCG 529
Db 1158 CCCTTGCCCAACCCGAGGAGCTGGTAGCACTTCTTGGCGTCTAAGTACTACTACCG 1217
QY 530 GCAGTGGCGCGCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATGCTCTGAG 589
Db 1218 TCTCTGACATCAGCCCCCGGATATTCGCGCAGGGGAGAAACTCGGTGTGATTTCTGAT 1277
QY 590 GATGAGACTGTGGAGCGGTGTGCTGAACTCTCAGGCAGAGAGATATAAATCCCCAGC 649
Db 1278 GAAGGGGCTGTGTGAAAGCTATTCTCTTAGCACTGTGTCGAGAGAGTTTACATCCCTGA 1337
QY 650 GTCCAGCTGGCAGAAAGTCTCCCATGGTGGCTGTATGAGGCGCTGAGCAGGAGAGAGCA 709
Db 1338 ATATGTGTGGCAGAGTTTACCATGCTGGCTGTTTGGGGCGCTGGGACAGAGCAAGGCC 1397

Qy	710	GAGGAAC	TGCTGT	TTTACT	TGGGAAC	CTTGGAG	GGGCTT	CTCTCAT	CCGGG	AGCCAG	769
Db	1398	GAGGAG	CTCTG	CTCAG	CTG	CCAGACA	CAAA	GGTCGG	CTCTT	TCATGAT	CA
Qy	770	ACCAGG	AGAGG	GTCTT	TACTCT	CTGT	CAGT	CCGG	CTCAG	CGCCCT	GCATCT
Db	1458	ACCAAG	AAAGG	TTT	TACTCA	CTGT	CGGT	GAGACA	AA	GGCA	-----G
Qy	830	ATCAG	ACACT	TACAG	GTAT	CCACT	CGCTT	GTACAA	TGGT	TGGCTGT	TACATCT
Db	1500	GTAAAG	CATT	TACG	CAAT	TTT	CGTCT	GC	CAACA	CAACT	TGGT
Qy	890	ACCTT	CCCC	TCACT	CCAGG	CCCT	TGGT	GGAC	CAAT	TACTCT	GAGT
Db	1560	ACCTT	CCAG	TGCT	GAGG	ACCT	TGGT	GA	CCACT	TATTCT	GAGT
Qy	950	TGCCT	ACTT	CAAG	AGC	CTGT	GTCT	CTG	CAGAG	GGCT	TGGCC
Db	1620	TGTGT	GCTT	CAC	CAGC	CCCTT	GCCT	TGAC	CA	AAAG	CAC
Qy	1010	CCCT	ACTT	GT	GACT	GTG	CAGG	GAC	CA	CTCA	CTG
Db	1680	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Db	1732	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
Qy	1062	AGT	CACT	CT	GT	CAC	TTT	GGT	CT	CAGA	AGCT
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RESULT 14

US-09-864-761-2829
; Sequence 2829, Application US/09864761
; Patent No. US20020048763A1

; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006668

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006664

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/006688

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/006770
 ; PRIOR FILING DATE: 2001-01-30

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-08-21

; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30

; PRIOR FILING DATE: 2000-06-30

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; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2829
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031622.24
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
; US-09-864-761-2829

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Query Match 12.0%; Score 141.8; DB 9; Length 432;

Best Local Similarity	95.4%;	Pred. No. 2.1e-33;	
Matches 146;	Conservative	0;	Mismatches 7; Indels 0; Gaps 0;

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Db	253	TGAGGTCTTCTCTCAGAGCTGGCGGATGACATCTGCTGCTTCAAGAGCCCTGTG	312
Qy	972	TCCTGGAGAGGCTGGCCCGCTCCCTGGCAAGATATACCCCTACTGTGACTGTGCAGA	1031
Db	313	TCCTGGAGAGGCTGGCCCGCTCCCTGGCAAGATATACCCCTACTGTGACTGTGCAGA	372
Qy	1032	GGACACCACTCAACTGGAAAGAGCTGGACAGCT	1064
Db	373	GGACACCACTCAACTGGAAAGAGCTGGACAGGT	405

RESULT 15

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US-09-864-761-1513
/ Sequence 1513, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharron G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED
/ TITLE OF INVENTION: GENE EXPRESSION ANAL
/ FILE REFERENCE: Aecm1ca-x-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/006666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15513
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
US-09-864-761-15513

Query Match      12.0%; Score 141.8; DB 9; Length 448;
Best Local Similarity 95.4%; Pred. No. 2.1e-33;
Matches 146; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy      912 TGGTGGACCACTTACTGTGAGCTGGCGGATGACATCTGTGCTGCTACTCAAGGAGCCCTGTG 971
Db      269 TGGAGTCTCTTCCCTCAGAGCTGGCGGATGACATCTGTGCTGCTACTCAAGGAGCCCTGTG 328

Qy      972 TCCTGCAGAGGGCTGGCGCGCTCCCTGGCAAGGATATACCCCTACTGTGACTGTGCAGA 1031
Db      329 TCCTGCAGAGGGCTGGCGCGCTCCCTGGCAAGGATATACCCCTACTGTGACTGTGCAGA 388

Qy      1032 GGACACCACTCAACTGGAAGAGCTGCAGCT 1064
Db      389 GGACACCACTCAACTGGAAGAGCTGCAGCT 421
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Search completed: July 25, 2004, 02:23:12
Job time : 961.828 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 19, 2004, 20:05:26 ; Search time 19 Seconds
(without alignments)
709.178 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MGSLSRRKSLPSPSLSSSV.....RESLFFYISLNDEAVSLDDA 261

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A-COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B-COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A-COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B-COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS-COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	370.5	27.4	512	4	US-08-426-509A-16
2	370.5	27.4	512	4	US-08-232-545-16
3	370.5	27.4	512	5	PCT-US95-05008-16
4	360.5	26.6	505	4	US-08-426-509A-17
5	360.5	26.6	505	4	US-08-232-545-17
6	360.5	26.6	505	5	PCT-US95-05008-17
7	344.5	25.5	499	4	US-08-426-509A-19
8	344.5	25.5	499	4	US-08-232-545-19
9	344.5	25.5	499	5	PCT-US95-05008-19
10	340	25.1	508	4	US-09-862-154-1
11	340	25.1	509	3	US-09-039-555B-17
12	340	25.1	509	4	US-08-426-509A-18
13	340	25.1	509	4	US-09-457-040B-8
14	340	25.1	509	4	US-08-232-545-18
15	340	25.1	509	5	PCT-US95-05008-18
16	315.5	23.3	537	4	US-08-426-509A-11
17	315.5	23.3	537	4	US-08-232-545-11
18	315.5	23.3	537	5	PCT-US95-05008-11
19	315.5	23.3	543	4	US-08-426-509A-14
20	315.5	23.3	543	4	US-08-232-545-14
21	315.5	23.3	543	4	US-09-470-881-8
22	315.5	23.3	543	5	PCT-US95-05008-14
23	313.5	23.2	496	2	US-09-006-675-2
24	313.5	23.2	496	3	US-09-228-603A-2
25	312.5	23.1	529	4	US-08-426-509A-15
26	312.5	23.1	529	4	US-08-232-545-15
27	312.5	23.1	529	5	PCT-US95-05008-15

Sequence 12, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 1, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 4, Appl
Sequence 6, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 5, Appl

ALIGNMENTS

RESULT 1

US-08-426-509A-16
; Sequence 16, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: No. 6326469e
US-08-426-509A-16

Query Match 27.4%; Score 370.5; DB 4; Length 512;
Best Local Similarity 39.8%; Pred. No. 1.7e-31;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

Qy	6	SRKSLPSPSLSSVQGGPVTMBEASRKATAVALGSPAGGPAEISLRLGPELTTIVSD	65
Db	38	SNKQRPVE-SQLLPGRFOTKDPQEGDIIIVALYPDGIHPDDLSFKKGEMKVLSEH	96
Qy	66	GDWTVLSEVSGREYNIQSVHGVK-----SHGWLVEGLSREKAEILLPLGPGGAFLIR	121
Db	97	GEWKAKSLLTKKEGFIPSNVAKINTLETSEWFFKDIITKDAERQLLAPGNSAGAFLIR	156
Qy	122	ESOTRRGYSYLSVRLSRPASDRIHRHYRIHCLDNGWLYISPRITFFPSLQALVPHYSELAD	181
Db	157	ESETLKGFSLSVRDFDPVHGVDVHKYIRSLDNGYIISPRITFFCISDMIKHYQKQAD	216
Qy	182	DICLLKGFVQLQRAPLPGK	202
Db	217	GLCRRLERACI-----SPKPOK	233

RESULT 2

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US-08-232-545-16
; Sequence 16, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-16

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[illegible]

RESULT 3

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PCT-US95-05008-16
; Sequence 16, Application PC/TUS95050008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofigarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 512 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
PCT-US95-05008-16

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APPLICANT: Sures, Irman G.
TITLE OF INVENTION: No. 6506578e1 Megakaryocytic Protein Tyrosine

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; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 499 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; PCT-US-232-545-19

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Query Match      25.5%; Score 344.5; DB 4; Length 499;
Best Local Similarity 36.0%; Pred. No. 1.1e-28;
Matches 80; Conservative 32; Mismatches 73; Indels 37; Gaps 4;

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QY 1 MGSLSRRKSLSPSLSSSVQGGPV-----TWAEERSK 34
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QY 35 ATAVAGSPAGGPAELSLRLGELPTIVSEGDGWTVLSEVSGREYNIPSVHVKYS--- 91
DB 55 RFVVALFDYAANDRDQLVKGKQLVLRSTGDNWLAARSLVTGREGYVPSNFVAPVETLE 114
QY 92 -HGWLYEGLSRKAELELLLPNGPGAFILRESQTRRGSYSLSVLRSPASWDRIHYRI 150
DB 115 VEKWFRTISRKDAERQLLAPNKAAGSFLIRSESNKGAFLSVK-DITTOGEVVKHYKI 173
QY 151 HCLDNGWLYISRLTPFSLQALVDHYSELADDCICLLKEPCV 192
DB 174 RSLDNGGYIISPRITPTLQALVQHYSKGDLGCKLTLPVCV 215

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RESULT 9
PCT-US95-05008-19
; Sequence 19, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Muenchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds

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; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 499 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; PCT-US95-05008-19

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Query Match      25.5%; Score 344.5; DB 5; Length 499;
Best Local Similarity 36.0%; Pred. No. 1.1e-28;
Matches 80; Conservative 32; Mismatches 73; Indels 37; Gaps 4;

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QY 1 MGSLSRRKSLSPSLSSSVQGGPV-----TWAEERSK 34
DB 1 MGLLSKRRQ-----VSEKGGKMSPVKIRTDKAPPLPLVFNHLPSPNQDPDEE 54
QY 35 ATAVAGSPAGGPAELSLRLGELPTIVSEGDGWTVLSEVSGREYNIPSVHVKYS--- 91
DB 55 RFVVALFDYAANDRDQLVKGKQLVLRSTGDNWLAARSLVTGREGYVPSNFVAPVETLE 114
QY 92 -HGWLYEGLSRKAELELLLPNGPGAFILRESQTRRGSYSLSVLRSPASWDRIHYRI 150
DB 115 VEKWFRTISRKDAERQLLAPNKAAGSFLIRSESNKGAFLSVK-DITTOGEVVKHYKI 173
QY 151 HCLDNGWLYISRLTPFSLQALVDHYSELADDCICLLKEPCV 192
DB 174 RSLDNGGYIISPRITPTLQALVQHYSKGDLGCKLTLPVCV 215

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RESULT 10
US-09-862-154-1
; Sequence 1, Application US/09862154
; Patent No. 6589758
; GENERAL INFORMATION:
; APPLICANT: Zhu, Xiaotian
; TITLE OF INVENTION: Crystal of a Kinase-Ligand Complex and Methods of Use
; FILE REFERENCE: Atty. Docket No. 6589758; A-749
; CURRENT APPLICATION NUMBER: US/09/862,154
; CURRENT FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 1
; LENGTH: 508
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-862-154-1

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Query Match 25.1%; Score 340; DB 4; Length 508;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPPLIVSDGDWTVLSEVSGRE 79
DB 48 VTYESGNPPASPLQDNLVIALHSYFSDHGDGLGFEKGQRLILEQSGEWKQAQSLTTGQE 107
QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLILPGNPGGAFLIRESQTRRGYSLSVR 135
DB 108 GFIPNFVAKANSLPEPEPFKNLSKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 167
QY 136 LSRPASWDRIRHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADICCLLKPCVLQR 195
DB 168 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTLRLSPCQTK 227

RESULT 11

US-09-039-555B-17

; Sequence 17, Application US/09039555B

; Patent No. 603856

; GENERAL INFORMATION:

; APPLICANT: Koerner, Kathrin

; APPLICANT: Mueller, Rolf

; APPLICANT: Sadlcek, Hans-Harald

; TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS

; TITLE OF INVENTION: PREPARATION AND USE

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley & Lardner

; STREET: 3000 K Street, N.W., Suite 500

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/039,555B

; FILING DATE: 16-MAR-1998

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 19710643.9

; FILING DATE: 14-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Bent, Stephen A.

; REGISTRATION NUMBER: 29,768

; REFERENCE/DOCKET NUMBER: 016779/0131

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)672-5300

; TELEFAX: (202)672-5399

; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 509 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-039-555B-17

Query Match 25.1%; Score 340; DB 3; Length 509;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPPLIVSDGDWTVLSEVSGRE 79
DB 49 VTYESGNPPASPLQDNLVIALHSYFSDHGDGLGFEKGQRLILEQSGEWKQAQSLTTGQE 108

QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLILPGNPGGAFLIRESQTRRGYSLSVR 135
DB 109 GFIPNFVAKANSLPEPEPFKNLSKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168
QY 136 LSRPASWDRIRHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADICCLLKPCVLQR 195
DB 169 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTLRLSPCQTK 228

RESULT 12

US-08-426-509A-18

; Sequence 18, Application US/08426509A

; Patent No. 6326469

; GENERAL INFORMATION:

; APPLICANT: Ullrich, Axel

; APPLICANT: Gishizky, Mikhail

; APPLICANT: Sures, Irman G.

; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN

; TITLE OF INVENTION: TYROSINE KINASES

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York,

; STATE: NY

; COUNTRY: USA

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/426,509A

; FILING DATE: 21-APR-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/232,545

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7683-0074-999

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-790-9090

; TELEFAX: 212-869-9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 509 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

US-08-426-509A-18

Query Match 25.1%; Score 340; DB 4; Length 509;

Best Local Similarity 40.6%; Pred. No. 3.5e-28;

Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPAGGPAELSLRLGEPPLIVSDGDWTVLSEVSGRE 79
DB 49 VTYESGNPPASPLQDNLVIALHSYFSDHGDGLGFEKGQRLILEQSGEWKQAQSLTTGQE 108

QY 80 YNIPSVHVCKVS----HGWLVEGLSREKAEELLILPGNPGGAFLIRESQTRRGYSLSVR 135
DB 109 GFIPNFVAKANSLPEPEPFKNLSKDAERQLLAPGNTHGSFLIRESESTAGSFSLVR 168

QY 136 LSRPASWDRIRHYRHCHLDNGWLYISPRITFPSLOALVDHYSELADICCLLKPCVLQR 195
DB 169 DFDQNGEVVVKYKIRNLNDGGFYISPRITFPLGLHVLVRYHTNASDGLCTLRLSPCQTK 228

RESULT 13

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US-09-457-040B-8
; Sequence 8, Application US/09457040B
; Patent No. 6387641
; GENERAL INFORMATION:
; APPLICANT: Vertex Pharmaceuticals Incorporated
; APPLICANT: Bellon, Steve
; TITLE OF INVENTION: Crystallized P38 Complexes
; FILE REFERENCE: VPI/98-14
; CURRENT APPLICATION NUMBER: US/09/457,040B
; CURRENT FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Human
US-09-457-040B-8

Query Match      25.1%; Score 340; DB 4; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPFAGGPAELSLRLGPELTIIVSDGDWTVLSEVSGRE 79
Db 49 VTYESGNPPASPLQDNLVIALHSYEPFHDGLGFEKGQLRILEQSGEWMKAQSLTTQOE 108
QY 80 YNIPSVHVGKVS---HGWLYEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSLSVR 135
Db 109 GFIPNFVAKANSLEPEPFKFNLSRKOAEKOLLAPGNTHGSLFIRESESTAGSFSLVR 168
QY 136 LSRPASWDRIHYRIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDCLLKPEPCVLQR 195
Db 169 DFDQNGQEVVKYKIRNLDNGGFIYSPRITFFGLHVLVRHYTNASDGLCTRLSRPCQTK 228

RESULT 14
US-08-232-545-18
; Sequence 18, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; APPLICANT: Sures, Ilman G
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 509 amino acids
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein

US-09-457-040B-8
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-18

Query Match      25.1%; Score 340; DB 4; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPFAGGPAELSLRLGPELTIIVSDGDWTVLSEVSGRE 79
Db 49 VTYESGNPPASPLQDNLVIALHSYEPFHDGLGFEKGQLRILEQSGEWMKAQSLTTQOE 108
QY 80 YNIPSVHVGKVS---HGWLYEGLSREKAEELLLPGNPGGAFLIRESQTRRGYSLSVR 135
Db 109 GFIPNFVAKANSLEPEPFKFNLSRKOAEKOLLAPGNTHGSLFIRESESTAGSFSLVR 168
QY 136 LSRPASWDRIHYRIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDCLLKPEPCVLQR 195
Db 169 DFDQNGQEVVKYKIRNLDNGGFIYSPRITFFGLHVLVRHYTNASDGLCTRLSRPCQTK 228

RESULT 15
PCT-US95-05008-18
; Sequence 18, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 509 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
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PCT-US95-05008-18

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Query Match      25.1%; Score 340; DB 5; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSPFAGGPABLSRLGLGEPLTIVSEGDWWTVLSEVSGRE 79
Db 49 VTIEGSNPPASPLQDNLVIALHSYEPSHDGDLGPEKGEQLRIEQSGEWKKAQSLTTQOE 108
QY 80 YNIPSVHVYKVS-----HGWLYEGLSREKABELLLLPGNPGGAPLIRESOITRRGSYLSVR 135
Db 109 GFIPNFVAKANSLEPEPEPFKNLSRKDAERQLAPGNTHGSLFIRESESTAGSFLSVR 168
QY 136 LSRPASWDRIHRYTHCLDNGWLYISPRITPPSLQALVDHYSELADDICLLKEPCVLQR 195
Db 169 DFDQNGQEWVYKIRNLNDNGGFYISPRITPGLHELVRHYTNASDGLCTLSRPECOTQK 228

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Search completed: July 19, 2004, 20:11:12
Job time : 20 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 19, 2004, 20:05:56 ; Search time 46 Seconds
(without alignments)
1773.442 Million cell updates/sec

Title: US-09-939-853A-75
Perfect score: 1353
Sequence: 1 MSLPSRRKSLPSLSVSV.....RESLFIYSLNDEAVSLDDA 261

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1285345 seqs, 312560633 residues
Total number of hits satisfying chosen parameters: 1285345

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1353	100.0	261	12	US-09-939-853A-75
2	1347	99.6	261	12	US-09-939-853A-75
3	1347	99.6	261	14	US-10-043-649-2
4	1036	76.6	197	12	US-09-939-853A-78
5	828	61.0	159	9	US-09-867-550-954
6	747.5	55.2	179	12	US-09-939-853A-79
7	586	43.3	113	9	US-09-867-550-1916
8	491.5	36.3	281	12	US-09-939-853A-80
9	481.5	35.6	276	9	US-09-870-759-64
10	481.5	35.6	276	10	US-09-751-708A-64
11	481.5	35.6	276	12	US-09-939-853A-81
12	481.5	35.6	276	14	US-10-043-649-3
13	452.5	33.4	96	9	US-09-867-550-952
14	370.5	27.4	511	15	US-10-394-322A-42
15	370.5	27.4	512	9	US-09-977-269-16

16	370.5	27.4	512	9	US-09-977-260-16	Sequence 16, Appl
17	370.5	27.4	512	10	US-09-977-261-16	Sequence 16, Appl
18	370.5	27.4	512	15	US-10-116-275-162	Sequence 162, App
19	360.5	26.6	505	9	US-09-977-269-17	Sequence 17, Appl
20	360.5	26.6	505	9	US-09-977-260-17	Sequence 17, Appl
21	360.5	26.6	505	10	US-09-977-261-17	Sequence 17, Appl
22	360.5	26.6	505	15	US-10-193-720-2	Sequence 2, Appli
23	360.5	26.6	526	12	US-10-276-633-3	Sequence 3, Appli
24	360.5	26.6	526	15	US-10-394-322A-31	Sequence 31, Appl
25	352.5	26.1	504	15	US-10-394-322A-4	Sequence 4, Appli
26	352.5	26.1	505	9	US-09-771-161A-186	Sequence 186, App
27	348	25.7	509	15	US-10-366-288-28	Sequence 28, Appl
28	344.5	25.5	499	9	US-09-977-269-19	Sequence 19, Appl
29	344.5	25.5	499	9	US-09-977-260-19	Sequence 19, Appl
30	344.5	25.5	499	10	US-09-977-261-19	Sequence 19, Appl
31	340	25.1	437	12	US-09-805-020-39	Sequence 39, Appl
32	340	25.1	508	15	US-10-394-322A-41	Sequence 41, Appl
33	340	25.1	509	9	US-09-977-269-18	Sequence 18, Appl
34	340	25.1	509	9	US-09-977-260-18	Sequence 18, Appl
35	340	25.1	509	10	US-09-977-261-18	Sequence 18, Appl
36	340	25.1	509	14	US-10-212-346-1	Sequence 1, Appli
37	337	24.9	567	12	US-09-805-020-40	Sequence 40, Appl
38	322.5	23.8	454	9	US-09-771-161A-95	Sequence 95, Appl
39	318.5	23.5	537	9	US-09-771-161A-212	Sequence 212, App
40	318.5	23.5	537	9	US-09-771-161A-213	Sequence 213, App
41	315.5	23.3	311	9	US-09-771-161A-121	Sequence 121, App
42	315.5	23.3	387	9	US-09-771-161A-122	Sequence 122, App
43	315.5	23.3	536	15	US-10-394-322A-30	Sequence 30, Appl
44	315.5	23.3	537	9	US-09-977-269-11	Sequence 11, Appl
45	315.5	23.3	537	9	US-09-977-260-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-09-939-853A-75
; Sequence 75, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939-853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 75
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-75

Query Match	100.0%;	Score 1353;	DB 12;	Length 261;
Best Local Similarity	100.0%;	Pred. No. 6.9e-125;	Mismatches 0;	Indels 0;
Matches 261;	Conservative 0;			
Qy	1	MSLPSRRKSLPSLSVSVQGGQFVTMEATRSKATAVALGSPAGGFAELSLRLGEP	120	
Db	1	MSLPSRRKSLPSLSVSVQGGQFVTMEATRSKATAVALGSPAGGFAELSLRLGEP	120	
Qy	61	IVSDDGDMWTVLSEVSGREYNIPSVHVGKSHGWLIEGLSREKAEELLLPGNPGGAFLI	120	
Db	61	IVSDDGDMWTVLSEVSGREYNIPSVHVGKSHGWLIEGLSREKAEELLLPGNPGGAFLI	120	

Qy	121	RSQRTGRGYSLSVLSPLSPASWDRIHRYHICHLONGWLYTSPRLTTPESIQALVDHYSELA	180
Db	121	RSQRTGRGYSLSVLSPLSPASWDRIHRYHICHLONGWLYTSPRLTTPESIQALVDHYSELA	180
Qy	181	DTICLLKKEPCVLQAGPLPGKDPLPVTVQRTPLNWKELDSSLLFSEAAATGESLLSEG	240
Db	181	DTICLLKKEPCVLQAGPLPGKDPLPVTVQRTPLNWKELDSSLLFSEAAATGESLLSEG	240
Qy	241	LRESISFYIISLNDEAVSLDDA	261
Db	241	LRESISFYIISLNDEAVSLDDA	261

```

RESULT 2
US-09-939-853A-77
; Sequence 77, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/257,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/289,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patentin ver. 2.1
; SEQ ID NO 77
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-77

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Query Match	99.6%;	Score 1347;	DB 12;	Length 261;
Best Local Similarity	99.6%;	Pred. No. 2.7e-124;		
Matches 260;	Conservative	0;	Mismatches 1;	Indels 0; Gaps 0
Qy	1	MGSLPSRRKKSIPSPSLSSSVQCGPVTMEAEERSKATAVALGSPFAGGPAELSLRLGCEPIT	60	
Db	1	MGSLPSRRKSLPSPSLSSSVQCGPVTMEAEERSKATAVALGSPFAGGPAELSLRLGEPIT	60	
Qy	61	IYSEGDGWWTVLSEVSGREYNI PSVHVGVKYSHGWLIEGLSREXAEELLILPGNPGGAFLI	120	
Db	61	IYSEGDGWWTVLSEVSGREYNI PSVHVGVKYSHGWLIEGLSREXAEELLILPGNPGGAFLI	120	
Qy	121	RESQTRGSGYSLSVLSRSPASWDRI RHRYIHCILDNGWLYISPLRTFPSLQALVDHYSSIA	180	
Db	121	RESQTRGSGYSLSVLSRSPASWDRI RHRYIHCILDNGWLYISPLRTFPSLQALVDHYSSIA	180	
Qy	181	DDICLLKEPCVLQAGPLPGKDIPLVTVVQRPPLNWKELDSSLSEATGEESILSEG	240	
Db	181	DDICLLKEPCVLQAGPLPGKDIPLVTVVQRPPLNWKELDSSLSEATGEESILSEG	240	
Qy	241	LRESLSFYISLNDEAVSLDDA	261	
Db	241	LRESLSFYISLNDEAVSLDDA	261	

RESULT 3
US-10-043-649-2
/ Section 2, Application US/10043649
/ Publication NO. US20030059924A1
/ GENERAL INFORMATION:
/ APPLICANT: Holland, Sacha J.
/ APPLICANT: Mendenhall, Marcy K.
/ APPLICANT: Pardo, Jorge
/ APPLICANT: Spencer, Collin
/

```
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor s
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-043-649-2

Query Match          99.6%; Score 1347; DB 14; Length 261;
Best Local Similarity 99.6%; Pred. No. 2.7e-124;
Matches 260; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MGSLPSRRKSLSPSLSSVQQGPGVTWEAKRSKATAVALGSGFPAGGPAELSLRIGPELT 60
       |||||
Db      1  MGSLPSRRKSLSPSLSSVQQGPGVTWEAKRSKATAVALGSGFPAGGPAELSLRIGPELT 60
       |||||

Qy     61  IVSEDCDWTVLSEVSGREYNIPSVHVGVSHGWLYEGLSREKAEEILLPLGNPGGAFLI 120
       |||||
Db     61  IVSEDCDWTVLSEVSGREYNIPSVHVAVKSHGWLYEGLSREKAEEILLPLGNPGGAFLI 120
       |||||

Qy    121  RESQTRRGYSYSLSVRLSRPASWDRTRHRYIHCLDNGLWYISPRITFPSLQALVDHYSELA 180
       |||||
Db    121  RESQTRRGYSYSLSVRLSRPASWDRTRHRYIHCLDNGLWYISPRITFPSLQALVDHYSELA 180
       |||||

Qy    181  DIICLLKEPCVLQAGPLPGKDIPLVTVQRTPLNWKELDSLLFSEAATGESLLISEG 240
       |||||
Db    181  DIICLLKEPCVLQAGPLPGKDIPLVTVQRTPLNWKELDSLLFSEAATGESLLISEG 240
       |||||

Qy    241  LRESLSFYISLNDEAVSLDDA 261
       |||||
Db    241  LRESLSFYISLNDEAVSLDDA 261
       |||||

RESULT 4
US-09-939-853A-78
; Sequence 78, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Buegess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 78
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-09-939-853A-78
Query Match          76.6%; Score 1036; DB 12; Length 197;
Best Local Similarity 99.5%; Pred. No. 8.8e-94;
Matches 196; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 65 DGDWMTVLSEVSGREYNTPSVHVGVKSHGWLVEGLSREKAEELLLPQNPQGAFLIRESQ 124
Db 1 DGDWMTVLSEVSGREYNTPSVHVAKVSHGWLVEGLSREKAEELLLPQNPQGAFLIRESQ 60
Qy 125 TRRGSYSLSVLSRSPASWDRIHRYIHCLDNGWLVIYSPRLTFPSLQALVDHYSELADDIC 184
Db 61 TERGSYSLSVLSRSPASWDRIHRYIHCLDNGWLVIYSPRLTFPSLQALVDHYSELADDIC 120
Qy 185 CLKKEPCVLQAGPLPGKDIPLVTVQRTPLNWKELDSLLFSEAATGEESLLSEGLRES 244
Db 121 CLKKEPCVLQAGPLPGKDIPLVTVQRTPLNWKELDSLLFSEAATGEESLLSEGLRES 180
Qy 245 LSFYISLNDEAVSLDDA 261
Db 181 LSFYISLNDEAVSLDDA 197

RESULT 5
US-09-867-550-954
; Sequence 954, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 954
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-954

Query Match          61.0%; Score 826; DB 9; Length 159;
Best Local Similarity 99.4%; Pred. No. 3.4e-73;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MGSLLPERRKSLPSPSSVQGGQPTVMEASRSKATAVALGSPAGGPAELSRLGEPLT 60
Db 1 MGSLLPERRKSLPSPSSVQGGQPTVMEASRSKATAVALGSPAGGPAELSRLGEPLT 60
Qy 61 IVSEDDGWTVLSEVSGREYNTPSVHVGVKSHGWLVEGLSREKAEELLLPQNPQGAFLI 120
Db 61 IVSEDDGWTVLSEVSGREYNTPSVHVAKVSHGWLVEGLSREKAEELLLPQNPQGAFLI 120
Qy 121 RESQTRGYSLSVLSRSPASWDRIHRYIHCLDNGWLVI 159
Db 121 RESQTRGYSLSVLSRSPASWDRIHRYIHCLDNGWLVI 159

RESULT 6
US-09-939-853A-79
; Sequence 79, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
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US-09-939-853A-75
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 79
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-939-853A-79

Query Match          55.2%; Score 747.5; DB 12; Length 179;
Best Local Similarity 81.8%; Pred. No. 2.3e-65;
Matches 148; Conservative 11; Mismatches 19; Indels 3; Gaps 2;

Qy 82 IPSVHVGVKSHGWLVEGLSREKAEELLLPQNPQGAFLIRESQTRRGSYSLSVLSRSPAS 141
Db 1 MPSVYVAKVAHGWLYEGLSREKAEELLLPQNPQGAFLIRESQTRRGSYSLSVLSRSPAS 60
Qy 142 WDRIRHYRIHCLDNGWLVIYSPRLTFPSLQALVDHYSELADDICLLKKEPCVLQAGPLPG 201
Db 61 WDRIRHYRIHCLDNGWLVIYSPRLTFPSLQALVDHYSELADGICCPLEPCVLQAGPLPG 120
Qy 202 KDPLPVTQRTPLNWKELDSLLFSEA-ATGEESLLSEGLRESLFIYISLNDEAVSLDD 260
Db 121 KDPLPVTQRTPLNWKELDSLLFSEA-ATGEESLLSEGLRESLFIYISLNDEAVSLDD 178
Qy 261 A 261
Db 179 A 179

RESULT 7
US-09-867-550-1916
; Sequence 1916, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1916
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)
; OTHER INFORMATION: Wherein Xaa may be any one of Arg or Gly or Trp
US-09-867-550-1916

Query Match          43.3%; Score 586; DB 9; Length 113;
Best Local Similarity 100.0%; Pred. No. 1e-49;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150 IHCLDNGWLVIYSPRLTFPSLQALVDHYSELADDICLLKKEPCVLQAGPLPGKDIPLPVT 209
```

Db 2 IHCLDNGWLYISRLTFPSLQALVDHYSELADICLLKEPCVQLORAGPLGKDIPLPVT 61
 QY 210 VQRTPLNWKELSSLLFSEAAATGEESLLSEGLRESLSFYISLNDRAVSLDDA 261
 Db 62 VQRTPLNWKELSSLLFSEAAATGEESLLSEGLRESLSFYISLNDRAVSLDDA 113

RESULT 8

US-09-939-853A-80
 ; Sequence 80, Application US/09939853A
 ; Publication No. US20040039163A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgess et al.
 ; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
 ; FILE REFERENCE: 21402-099
 ; CURRENT APPLICATION NUMBER: US/09/939,853A
 ; CURRENT FILING DATE: 2001-08-27
 ; PRIOR APPLICATION NUMBER: 60/228,191
 ; PRIOR FILING DATE: 2000-08-25
 ; PRIOR APPLICATION NUMBER: 60/267,300
 ; PRIOR FILING DATE: 2001-02-08
 ; PRIOR APPLICATION NUMBER: 60/269,961
 ; PRIOR FILING DATE: 2001-02-20
 ; PRIOR APPLICATION NUMBER: 60/277,337
 ; PRIOR FILING DATE: 2001-03-20
 ; NUMBER OF SEQ ID NOS: 159
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 80
 ; LENGTH: 281
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-939-853A-80

Query Match 36.3%; Score 491.5; DB 12; Length 281;
 Best Local Similarity 43.6%; Pred. No. 7.8e-40;
 Matches 115; Conservative 38; Mismatches 82; Indels 29; Gaps 7;
 QY 9 KSLPSPS---LSSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRGEPLTIVSD 65
 Db 6 KSTSPSPSRPLSS-----EGLESDFLAV-LTDYPSDIPSPFRGKLRVISDE 55
 QY 66 GDMWTVLSEVSGREYNIPSVHGVKSHGWLYEGLSREKAEELLPLPGNPGCAFIRBSQT 125
 Db 56 GGMWKAISLSTGRESYIPGICVARVYHGWLFEGGLGRDKAEELLQPDTKIGSFMIRES 115
 QY 126 RRGVSLSVLSRSPASWDRIHRYIHCLDNGWLYISRLTFPSLQALVDHYSELADIC 185
 Db 116 KKGYSLSVR-----HRQVKHYRIFRLPNWYIISRLTFQCLDLVTHYSEVADGLCC 169
 QY 186 LLKEPCVQLR-----AGPLPGKDIPLVTVQRTPLNWKELDSSLLFSEAAATG----EESL 236
 Db 170 VLTTPCLAQNIAPATSHSPCTSPGSPVTLRQKTFDKWKRYSRLQBGSGEENPLRVDES 229
 QY 237 LSEGLRESLSFYISL-NDEAVSLD 259
 Db 230 FSYGLRESIASYLSLTGDDSSFD 253

RESULT 9

US-09-870-759-64
 ; Sequence 64, Application US/09870759
 ; Patent No. US20020177551A1
 ; GENERAL INFORMATION:
 ; APPLICANT: TERMAN, David S
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; FILE REFERENCE: 870759
 ; CURRENT APPLICATION NUMBER: US/09/870,759
 ; CURRENT FILING DATE: 2002-01-14
 ; PRIOR APPLICATION NUMBER: US 60/208,128
 ; PRIOR FILING DATE: 2000-05-30
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 64
 ; LENGTH: 276
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-870-759-64

Query Match 35.6%; Score 481.5; DB 9; Length 276;
 Best Local Similarity 40.3%; Pred. No. 7.3e-39;
 Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;
 QY 9 KSLPSPSLSVQGGPVTMEARSKATAVALGSPAGGPAELSLRGEPLTIVSDGDM 68
 Db 6 KSTPAPA-----ERLPNPEGLSDFLAVLSDYPSDIPSPFRGKLRVISDEGDM 58
 QY 69 WTVLSEVSGREYNIPSVHGVKSHGWLYEGLSREKAEELLPLPGNPGCAFIRBSQTRG 128
 Db 59 WKALSISTGRESYIPGICVARVYHGWLFEGGLGRDKAEELLQPDTKIGSFMIRESBTKG 118
 QY 129 SYSLSVLSRSPASWDRIHRYIHCLDNGWLYISRLTFPSLQALVDHYSELADICCLIK 188
 Db 119 FYSLSVR-----HRQVKHYRIFRLPNWYIISRLTFQCLDLVNHYSEVADGLCCVLT 172
 QY 189 EPCVQLORAGPLGKDIPLVTVQRTPLNWKELDSSLLFSEAAATG-----EESLSSEGL 241
 Db 173 TPCLTQSTAAPAVRASSPVTLRQKTVDWRRVSR---LQEDPEGTENPLGVDESLSFYGL 229
 QY 242 RESLSFYISLND 254
 Db 230 RESIASYLSLTSE 242

RESULT 10

US-09-751-708A-64
 ; Sequence 64, Application US/09751708A
 ; Publication No. US20030157113A1
 ; GENERAL INFORMATION:
 ; APPLICANT: TERMAN, David S
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; FILE REFERENCE: 751708
 ; CURRENT APPLICATION NUMBER: US/09/751,708A
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: US 60/173,371
 ; PRIOR FILING DATE: 1999-12-28
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 64
 ; LENGTH: 276
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-751-708A-64

Query Match 35.6%; Score 481.5; DB 10; Length 276;
 Best Local Similarity 40.3%; Pred. No. 7.3e-39;
 Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;
 QY 9 KSLPSPSLSVQGGPVTMEARSKATAVALGSPAGGPAELSLRGEPLTIVSDGDM 68
 Db 6 KSTPAPA-----ERLPNPEGLSDFLAVLSDYPSDIPSPFRGKLRVISDEGDM 58
 QY 69 WTVLSEVSGREYNIPSVHGVKSHGWLYEGLSREKAEELLPLPGNPGCAFIRBSQTRG 128
 Db 59 WKALSISTGRESYIPGICVARVYHGWLFEGGLGRDKAEELLQPDTKIGSFMIRESBTKG 118
 QY 129 SYSLSVLSRSPASWDRIHRYIHCLDNGWLYISRLTFPSLQALVDHYSELADICCLIK 188
 Db 119 FYSLSVR-----HRQVKHYRIFRLPNWYIISRLTFQCLDLVNHYSEVADGLCCVLT 172
 QY 189 EPCVQLORAGPLGKDIPLVTVQRTPLNWKELDSSLLFSEAAATG-----EESLSSEGL 241
 Db 173 TPCLTQSTAAPAVRASSPVTLRQKTVDWRRVSR---LQEDPEGTENPLGVDESLSFYGL 229
 QY 242 RESLSFYISLND 254

```
Db      230 RESIASYLSLTSE 242

RESULT 11
US-09-939-853A-81
; Sequence 81, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 81
; LENGTH: 276
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-81

Query Match      35.6%; Score 481.5; DB 12; Length 276;
Best Local Similarity 40.3%; Pred. No. 7.3e-39;
Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Qy      9 KSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPITIVSEDDGW 68
      |||||
Db      6 KSTPAPA-----ERLPNPEGLDSDFLAVLSDYSPDISPPIFRGKLRVISDEGGW 58
      |||||

Qy      69 WTVLSEVSGREYNIPSVHVKVSHGWLVEGLSRKAEELLPLPGNPGGAFLIRESQTRG 128
      |||||
Db      59 WKALSLSTGRESYIPGICVARVYHGWLFEGIGRDXAEELLQLPDTKVGSFMIRESETKKG 118
      |||||

Qy      129 SYSLSVRLSRPASWDRIRHYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDCCLLK 188
      |||||
Db      119 FYSLSVR-----HRQVKHYRIFRLPNWYIISPRLTFCLEDLVNHSEVADGLCCVLT 172
      |||||

Qy      189 EPCVLQAGPLGKDIPLVTVQRTPLNWKELDSLLFSEATG-----EESLLSEGL 241
      |||||
Db      173 TPCLTQSTAAPAVRASSSPVTLRQKTVDMRVSRL--LQEDPEGTENPLGVDESLSFSYGL 229
      |||||

Qy      242 RESLSFYISLND 254
      |||||
Db      230 RESIASYLSLTSE 242

RESULT 12
US-10-043-649-3
; Sequence 3, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor

Query Match      33.4%; Score 452.5; DB 9; Length 96;
Best Local Similarity 76.8%; Pred. No. 1.2e-36;
Matches 96; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

Qy      1 MGSLLPSRRKSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPILT 60
      |||||
Db      1 MGSLLPSRRKSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPILT 60
      |||||

Qy      61 IVSEDDGWTVLSEVSGREYNIPSVHVKVSHGWLVEGLSRKAEELLPLPGNPGGAFLI 120
      |||||
```

```
; TITLE OF INVENTION: Retroviral-based Functional Screen
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 276
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-043-649-3

Query Match      35.6%; Score 481.5; DB 14; Length 276;
Best Local Similarity 40.3%; Pred. No. 7.3e-39;
Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Qy      9 KSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPITIVSEDDGW 68
      |||||
Db      6 KSTPAPA-----ERLPNPEGLDSDFLAVLSDYSPDISPPIFRGKLRVISDEGGW 58
      |||||

Qy      69 WTVLSEVSGREYNIPSVHVKVSHGWLVEGLSRKAEELLPLPGNPGGAFLIRESQTRG 128
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Db      59 WKALSLSTGRESYIPGICVARVYHGWLFEGIGRDXAEELLQLPDTKVGSFMIRESETKKG 118
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Qy      129 SYSLSVRLSRPASWDRIRHYIHCLDNGWLYISPRLTFFPSLQALVDHYSELADDCCLLK 188
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Db      119 FYSLSVR-----HRQVKHYRIFRLPNWYIISPRLTFCLEDLVNHSEVADGLCCVLT 172
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Qy      189 EPCVLQAGPLGKDIPLVTVQRTPLNWKELDSLLFSEATG-----EESLLSEGL 241
      |||||
Db      173 TPCLTQSTAAPAVRASSSPVTLRQKTVDMRVSRL--LQEDPEGTENPLGVDESLSFSYGL 229
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Qy      242 RESLSFYISLND 254
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Db      230 RESIASYLSLTSE 242

RESULT 13
US-09-867-550-952
; Sequence 952, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-952

Query Match      33.4%; Score 452.5; DB 9; Length 96;
Best Local Similarity 76.8%; Pred. No. 1.2e-36;
Matches 96; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

Qy      1 MGSLLPSRRKSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPILT 60
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Db      1 MGSLLPSRRKSLPSPSSSSVQGGPVTMEASRKATAVALGSPFAGPAELSLRLGEPILT 60
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Qy      61 IVSEDDGWTVLSEVSGREYNIPSVHVKVSHGWLVEGLSRKAEELLPLPGNPGGAFLI 120
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Db 61 IVSE-----WLYEGLSREKAEELLLLPFGGAFLI 91

QY 121 RESQT 125

Db 92 RESQT 96

RESULT 14

US-10-394-322A-42
; Sequence 42, Application US/10394322A
; Publication No. US2003023291A1
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; PRIOR FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 511
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-42

Query Match

Best Local Similarity 27.4%; Score 370.5; DB 15; Length 511;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;
QY 6 SRKSLPSPSLSSVQGGPVTMEARSKATAVALGSPAGGPAELSLRLGEPPLTVSSED 65
Db 37 SNKQRPVPE-SQLLPGRFQTKDPEEGDIVVALYPYDGIHPDDLSPFKKGEKMKVLEEH 95
QY 66 GDWWTVLSEVSGREYNIPSVHVKV-----SHGWLVEGLSREKAEELLLLPFGGAFLIR 121
Db 96 GEWWKAKSLTKKEGFIPSNYVAKLNTLETEWFFKDIITRKDAERQLLAPGNSAGAFLIR 155
QY 122 ESQTRRGYSLSVRLSRPASWDRIHRHYRHCIDNGWLYISPLTTPSLQALVDHYSELAD 181
Db 156 ESETLKGSFSLSVDRDFPVHGDVVKHYKIRSLDNGGYIISPRITPCISDMIKHYKQAD 215
QY 182 DICLLKEPCVLQRAGPLPK 202
Db 216 GLCRRLEKACI-----SPKPK 232

RESULT 15

US-09-977-269-16
; Sequence 16, Application US/09977269
; Patent No. US20020082037A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHIZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977,269
; PRIOR FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 16
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-269-16

Query Match

27.4%; Score 370.5; DB 9; Length 512;

Best Local Similarity 39.8%; Pred. No. 1.6e-27;
Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;
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Db 38 SNKQRPVPE-SQLLPGRFQTKDPEEGDIVVALYPYDGIHPDDLSPFKKGEKMKVLEEH 96
QY 66 GDWWTVLSEVSGREYNIPSVHVKV-----SHGWLVEGLSREKAEELLLLPFGGAFLIR 121
Db 97 GEWWKAKSLTKKEGFIPSNYVAKLNTLETEWFFKDIITRKDAERQLLAPGNSAGAFLIR 156
QY 122 ESQTRRGYSLSVRLSRPASWDRIHRHYRHCIDNGWLYISPLTTPSLQALVDHYSELAD 181
Db 157 ESETLKGSFSLSVDRDFPVHGDVVKHYKIRSLDNGGYIISPRITPCISDMIKHYKQAD 216
QY 182 DICLLKEPCVLQRAGPLPK 202
Db 217 GLCRRLEKACI-----SPKPK 233

Search completed: July 19, 2004, 20:12:09
Job time : 47 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: July 25, 2004, 02:23:22 ; Search time 83 Seconds
(without alignments)
1745.087 Million cell updates/sec

Title: US-09-939-853A-75
Perfect score: 1353
Sequence: 1 MGSLSRRKSLPSPSLSSSV.....RESLSFYISLNDVAVSLDDA 261

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 segs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-Q=/cgn2_1/USPTO.spool/US0939853/runat_20072004_103721_12164/app_query.fasta_1.455
-DB=Issued Patents NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSFBLOCK=100 -LONGLOG
-DEW TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:
5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq:
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	370.5	27.4	2298	4	US-09-023-655-1158 Sequence 1158, Ap
2	360.5	26.6	2015	4	US-09-023-655-1105 Sequence 1105, Ap
3	340	25.1	2129	4	US-09-016-434-1452 Sequence 1452, Ap
4	323	23.9	2435	4	US-09-023-655-1313 Sequence 1313, Ap
5	320	23.7	2647	4	US-09-220-132-77 Sequence 77, Appl
6	320	23.7	2647	5	PCT-US93-08251-77 Sequence 77, Appl
7	315.5	23.3	4517	4	US-09-470-881-7 Sequence 7, Appl
8	315.5	23.3	4517	5	PCT-US93-06251-83 Sequence 83, Appl
9	313.5	23.2	1491	2	US-09-006-675-1 Sequence 1, Appl
10	313.5	23.2	1491	3	US-09-228-603A-1 Sequence 1, Appl
11	312.5	23.1	2354	4	US-09-023-655-1080 Sequence 1080, Ap
12	289	21.4	1759	4	US-09-470-881-2 Sequence 2, Appl

13	287	21.2	1602	1	US-07-820-011A-1 Sequence 1, Appl
14	287	21.2	1602	5	PCT-US93-00445-1 Sequence 1, Appl
15	276.5	20.4	1611	1	US-07-820-011A-3 Sequence 3, Appl
16	276.5	20.4	1611	4	US-09-860-473-3 Sequence 3, Appl
17	276.5	20.4	1611	5	PCT-US93-00445-3 Sequence 3, Appl
18	273	20.2	1626	4	US-09-860-473-10 Sequence 10, Appl
19	262	19.4	675	1	US-08-707-793A-3 Sequence 3, Appl
20	262	19.4	675	1	US-08-707-792A-3 Sequence 3, Appl
21	243.5	18.0	2827	4	US-08-452-723-1 Sequence 5, Appl
22	240.5	17.8	2770	4	US-08-426-509A-5 Sequence 5, Appl
23	240.5	17.8	2770	4	US-08-232-545-5 Sequence 5, Appl
24	240.5	17.8	2770	5	PCT-US95-05008-5 Sequence 5, Appl
25	240.5	17.8	2863	4	US-09-023-655-1389 Sequence 1389, Ap
26	240.5	17.8	7607	1	US-08-222-616-19 Sequence 19, Appl
27	240.5	17.8	7607	4	US-08-446-848-19 Sequence 19, Appl
28	240.5	17.8	7607	4	US-09-982-610-19 Sequence 19, Appl
29	240.5	17.8	7607	5	PCT-US95-04228-19 Sequence 5, Appl
30	238	17.6	282	2	US-09-006-675-5 Sequence 5, Appl
31	238	17.6	282	3	US-09-228-603A-5 Sequence 5, Appl
32	230	17.0	1467	4	US-09-579-182-2 Sequence 2, Appl
33	230	17.0	1548	4	US-09-099-053-1 Sequence 1, Appl
34	202	14.9	1661	2	US-08-815-176-2 Sequence 2, Appl
35	202	14.9	1661	4	US-09-197-344-2 Sequence 1267, Ap
36	193.5	14.3	2187	4	US-09-023-655-1267 Sequence 4, Appl
37	193.5	14.3	2187	4	US-09-470-881-4 Sequence 35, Appl
38	190.5	14.1	3623	1	US-08-306-691B-35 Sequence 40, Appl
39	182	13.5	1804	4	US-08-306-691B-40 Sequence 14, Appl
40	182	13.5	1804	4	US-09-167-322-14 Sequence 82, Appl
41	182	13.5	1804	5	PCT-US93-08251-82 Sequence 931, App
42	172	12.7	874	4	US-09-023-655-931 Sequence 2, Appl
43	172	12.7	1072	1	US-07-906-349A-2 Sequence 5, Appl
44	172	12.7	1072	1	US-08-167-035-5 Sequence 49, Appl
45	172	12.7	1072	1	US-08-167-035-49 Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-09-023-655-1158
; Sequence 1158, Application US/09023655
; Patent No. 660979

; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESS: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:

```

;
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1158:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2298 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g187268
;
US-09-023-655-1158

Alignment Scores:
Pred. No.: 9,15e-30 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-023-655-1158 (1-2298)

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Qy 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAAGATCAGAGCAACAGAGACATTTGTGTAGCTTTTACCCCTATGATGCG 525
Qy 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGAGCACTTGTCTTTCAGAAGGAGAGAGATGAAAGTCTGTGAGGAGCAT 585
Qy 66 GlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GGAGATGGTGGAAAGCAAGTCCCTTTTAAACAAAAAAGAGGCTTCATCCCAAGCAAC 645
Qy 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TAGTGCCCAACTACACCTTAGAAACAGAAAGATGCTTTTCAAGGATATAACAGG 705
Qy 102 GlutylsAlaGluLeuLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGGACGCAAGAAAGCGAGCTTTTGGCACCAAGAAATAGCGCTGAGCTTTCCTTATTAGA 765
Qy 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAAACATTAAGAGGAGCTTCTCTCTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 825
Qy 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATCTTATTAGCACTACAAATAGAGTCTGATAATCGGGGCTATTACATCTCT 885
Qy 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAsp 181
Db 886 CCACGAATCACTTTCCCTGTATCAGCGACATGATTAAACATTTACCAAAAGCAGGCAGAT 945
Qy 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnAlaGlyProLeuProGly 201
Db 946 GGTGTGGCAGAGATTGGAGAGGCTTGTATT-----AGTCCCAAGCCACAG 993
Qy 202 Lys 202
Db 994 AAG 996

RESULT 2
US-09-023-655-1105
; Sequence 1105, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.

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;
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2015 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g183911
;
US-09-023-855-1105

Alignment Scores:
Pred. No.: 8,84e-29 Length: 2015
Score: 360.50 Matches: 77
Percent Similarity: 58.38% Conservative: 31
Best Local Similarity: 41.62% Mismatches: 70
Query Match: 26.64% Indels: 7
DB: 4 Gaps: 2

US-09-939-853A-75 (1-261) x US-09-023-655-1105 (1-2015)

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Db 286 CCGGGGCTTAATACCCACACAGC-----AACACACAGGAATCAGGAGGAGCGC 336
Qy 32 ArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeu 51
Db 337 TCTCAGGACATCATCGTGTGTGCTGTATGATACGAGGCCATTACACACGAGACCTC 396
Qy 52 SerLeuArgLeuGlyGluProLeuThrIleValSerGluAspGlyAspTTPThrVal 71
Db 397 AGCTTCCAGAGGGGGAGCCAGATGGTCTCTAGAGGAATCCGGGAGTGGTGAAGGCT 456
Qy 72 LeuSerGluValSerGlyArgGluTyrAsnIleProSerValHisValGlyLysVal--- 90
Db 457 CGATCCCTCGGCCACCCGGAAGAGGGGCTACATCCCAAGCAACTATGTCGCCCGCGTTGAC 516
Qy 91 -----SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluLeu 107
Db 517 TCTCTGAGACAGAGGAGTGTGTTTTCAGGGGATCAGCCGGAAGGACGCGAGAGCGCAA 576

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QY 108 LeuLeuLeuProGlyAsnProGlyAlaPheLeuLeuArgGlnThrArgArg 127
 DB 577 CTGCTGGCTCCGGCAACATGCTGGCTCTTCATGATCCGGATAGGAGACCACTAA 636
 QY 128 GlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHis 147
 DB 637 GGAAGCTACTCTTGTCTCGGAGACTACGACCTCCGCGAGGAGATACCGTGAACAT 696
 QY 148 TyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPhePro 167
 DB 697 TACAAGATCCGACCTGGACACCGGGGCTTCTACATATCCCGGAGCACCTTCAGC 756
 QY 168 SerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspIleCysCysLeuLeu 187
 DB 757 ACTCTCAGAGGTGTGGACCACTACAAGAAGGGGAGACGCGGCTCTGCCAGAACTG 816
 QY 188 LysGluProCysVal 192
 DB 817 TCGGTCCCTGTGATG 831

RESULT 3

US-09-016-434-1452
 ; Sequence 1452, Application US/09016434
 ; Patent No. 6500938
 ; GENERAL INFORMATION:
 ; APPLICANT: Janice Au-Young
 ; APPLICANT: Jeffrey J. Seilhamer
 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 ; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
 ; NUMBER OF SEQUENCES: 1490
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 ; STREET: 3174 PORTER DRIVE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94304

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/016,434
 ; FILING DATE: HEREMITH
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Zeller, Karen J.
 ; REGISTRATION NUMBER: 37,071
 ; REFERENCE/DOCKET NUMBER: PA-0002 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (650) 855-0555
 ; TELEFAX: (650) 845-4166
 ; INFORMATION FOR SEQ ID NO: 1452:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2129 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GENBANK
 ; CLONE: g775207

US-09-016-434-1452
 Alignment Scores:
 Pred. No.: 1.52e-26 Length: 2129
 Score: 340.00 Matches: 73
 Percent Similarity: 55.00% Conservative: 26
 Best Local Similarity: 40.56% Mismatches: 71

Query Match: 25.13% Indels: 10
 DB: 4 Gaps: 2
 US-09-939-853A-75 (1-261) x US-09-016-434-1452 (1-2129)

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 DB 204 GTTACCTACGAGGCTCCAAATCCGCGCTTCCCACTCGAAGACAACTGGTTATCGCT 263
 QY 40 LeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeu 59
 DB 264 CTGCACAGCTATGAGCCCTCTCAGACGGAGATCTGGGCTTTGAGAGGGGGAACAGCTC 323
 QY 60 ThrIleValSerGluAspGlyAspTrpThrValLeuSerGluValSerGlyArgGlu 79
 DB 324 CGCATCTCGAGCAGACGCGGAGTGTGGAAGCGGAGTCCCTGACACCGCGGCGCAAGAA 383
 QY 80 TyrAsnIleProSerValHisValGlyLysValSer-----HisGlyTrpLeu 95
 DB 384 GGCTTCATCCCTTCAATTTTGGCCAAAGCAAGCAGCTGGAGCCCGAACCTGGTTC 443
 QY 96 TyrGluGlyLeuSerArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGly 115
 DB 444 TTCAAGAACCTGAGCGCAAGGACGCGGAGCGGAGCTCCTGGCGCGCGGAAACACTCAC 503
 QY 116 GlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArg 135
 DB 504 GGCTCTTCTCATCCCGGAGAGGAGCACCAGCGGAGTGTTCCTGCTGCTGCTCGG 563
 QY 136 LeuSerArgProAlaSerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsn 155
 DB 564 GACTTCGACCAAGACCGAGGAGGTGTGAAACATTACAAGATCCGTAATCTGCAACAC 623
 QY 156 GlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHis 175
 DB 624 GGTGCTTCTACATCTCCCTCGAATCACTTTCCCGGCTGTCATGAACCTGGTCCGCAT 683
 QY 176 TyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluProCysValLeuGlnArg 195
 DB 684 TACACCAATGCTTCAGATGGCTGTGCACACGGTTGAGCGCCCTCCAGACCCAGAG 743

RESULT 4

US-09-023-655-1313
 ; Sequence 1313, Application US/09023655
 ; Patent No. 6607879
 ; GENERAL INFORMATION:
 ; APPLICANT: Cocks, Benjamin G.
 ; APPLICANT: Susan G. Stuart
 ; APPLICANT: Jeffrey J. Seilhamer
 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 ; TITLE OF INVENTION: EXPRESSION
 ; NUMBER OF SEQUENCES: 1508
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 ; STREET: 3174 PORTER DRIVE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/023,655
 ; FILING DATE: HEREMITH
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:

```
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2435 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: G338227
US-09-023-655-1313

Alignment Scores:
Pred. No.: 1,24e-24 Length: 2435
Score: 325.00 Matches: 81
Percent Similarity: 51.74% Conservative: 23
Best Local Similarity: 40.30% Mismatches: 76
Query Match: 23.87% Indels: 22
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-023-655-1313 (1-2435)
QY 12 ProSerProSerLeuSerSerValGlnGly----- 22
DB 507 CCATCCCACTCAACAACCTCCACGACCGGGGCCCAAGGACTCACCGCTTTGGAG 566
QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35
DB 567 GTGTGAACCTTCGTCTCATACGGGACCTTGGGTACGAGAGAGGAAACAGAGTG-ACA 625
QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeu 55
DB 626 CTCCTTTGGCCCTTTATGACTACTGAAGCAGCGACAGAGATGACCTGAGTTTTCACAAA 685
QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpTrpThrValLeuSerGlu 74
DB 686 GGAGAAAAATTTCAAATATTGAACACGCTCGGAAGGAGATTGGTGGGAAGCCCGCTCTTG 745
QY 75 ValSerGlyArgGluTyrAsnIleProSerValHisValGlyLysVal----- 90
DB 746 ACAACTGGAGAGACAGGTTACATTCCAGCAATTATGTGGCTCCAGTTGACTCTATCCAG 805
QY 91 SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeu 110
DB 806 GCAGAGAGTGGTACTTTGAAACCTTGGCCGAAAGATGCTGAGCGACAGCTATGTGCC 865
QY 111 ProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTyr 130
DB 866 TTGTGAAACCCAGAGAGTACCTTTCTATCCGCGAGAGTGAACCAACCAAGGGTCCAT 925
QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrArgIle 150
DB 926 TCACCTTTCTATCGGTGATGGGATGATATGAAGGAGACCATGTCAAAACATTATAAAT 985
QY 151 HisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeuGln 170
DB 986 CGCAAACTTGACATGGTGATACACTACATTACCACCGGGCCCGAGTTTGAACACTTCAG 1045
QY 171 AlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190
DB 1046 CAGCTTTGTACACATTACTCAGAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCC 1105
QY 191 Cys 191
DB 1106 TGT 1108
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RESULT 5

US-09-220-132-77

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; Sequence 77, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shvjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 2647
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-220-132-77

Alignment Scores:
Pred. No.: 2,97e-24 Length: 2647
Score: 320.00 Matches: 80
Percent Similarity: 51.74% Conservative: 24
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 23.65% Indels: 22
DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-220-132-77 (1-2647)
QY 12 ProSerProSerLeuSerSerValGlnGly----- 22
DB 716 CCATCCCACTCAACAACCTCCACGACCGGGGCCCAAGGACTCACCGCTTTGGAG 775
QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35
DB 776 GTGTGAACCTTCGTCTCATACGGGACCTTGGGTACGAGAGAGGAAACAGAGTG-ACA 834
QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeu 55
DB 835 CTCCTTTGGCCCTTTATGACTACTGAAGCAGCGACAGAGATGACCTGAGTTTTCACAAA 894
QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpTrpThrValLeuSerGlu 74
DB 895 GGAGAAAAATTTCAAATATTGAACACGCTCGGAAGGAGATTGGTGGGAAGCCCGCTCTTG 954
QY 75 ValSerGlyArgGluTyrAsnIleProSerValHisValGlyLysVal----- 90
DB 955 ACAACTGGAGAGACAGGTTACATTCCAGCAATTATGTGGCTCCAGTTGACTCTATCCAG 1014
QY 91 SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluLeuLeuLeuLeu 110
DB 1015 GCAGAGAGTGGTACTTTGGAACCTTGGCCGAAAGATGCTGAGCGACAGCTATGTGCC 1074
QY 111 ProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGlySerTyr 130
DB 1075 TTGTGAAACCCAGAGAGTACCTTTCTATCCGCGAGAGTGAACCAACCAAGGGTCCAT 1134
QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrArgIle 150
DB 1135 TCACCTTTCTATCGGTGATGGGATGATATGAAGGAGACCATGTCAAAACATTATAAAT 1194
QY 151 HisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeuGln 170
DB 1195 CGCAAACTTGACATGGTGATACACTACATTACCACCGGGCCCGAGTTTGAACACTTCAG 1254
QY 171 AlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190
DB 1255 CAGCTTTGTACACATTACTCAGAGAGAGCTGCAGGTCTCTGTGCGCCCTAGTAGTTCCC 1314
QY 191 Cys 191
DB 1106 TGT 1108
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Db 1315 TGT 1317

RESULT 6

PCT-US93-06251-77

Sequence 77, Application PC/TUS9306251

GENERAL INFORMATION:

APPLICANT: Wickstrom, Eric and Rife, Jason P.

TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing Stereospecific Alkylphosphonates and Arylphosphonates

TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates

NUMBER OF SEQUENCES: 93

CORRESPONDENCE ADDRESS:

ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

STREET: 400 Garden City Plaza

CITY: Garden City

STATE: NY

COUNTRY: USA

ZIP: 11530

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/06251

FILING DATE: 19930630

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: DiGiglio, Frank S.

REGISTRATION NUMBER: 31,346

REFERENCE/DOCKET NUMBER: 8586

TELECOMMUNICATION INFORMATION:

TELEPHONE: 516-742-4343

TELEFAX: 516-742-4366

TELEX: 230 901 SANS UR

INFORMATION FOR SEQ ID NO: 77:

SEQUENCE CHARACTERISTICS:

LENGTH: 2647 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

PCT-US93-06251-77

Alignment Scores:

Pred. No.: 2,97e-24 Length: 2647

Score: 320.00 Matches: 80

Percent Similarity: 51.74% Conservativeness: 24

Best Local Similarity: 39.80% Mismatches: 76

Query Match: 23.65% Indels: 22

DB: 5 Gaps: 3

US-09-939-853A-75 (1-261) x PCT-US93-06251-77 (1-2647)

QY 12 ProSerProSerLeuSerSerValGlnGly----- 22

Db 716 CCATCCCACTACACACTCCAGCGCGGGGCCAAGAGCTCACCCTTTGGAG 775

QY 23 -----GlnGlyProValThrMetGluAlaGluArgSerLysAla 35

Db 776 GTGTGAACCTTCGTCTCATACCGGACCTTCGTACGAGAGGAGGAAACAGGAGTC-ACA 834

QY 36 ThrAlaValAlaLeuGlySerPheProAlaGlyProAlaGluLeuSerLeuArgLeu 55

Db 835 CTCCTTTGTGGCCCTTTATGACTATGAGCAGCAGCAGAGATGACTGTGTTTTCACAAA 894

QY 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspTrpThrValLeuSerGlu 74

Db 895 GGAGAAAAATTTCAATATTAATTAACAGCTCGGAAGGAGATTGGTGGAGCCCGCTCTTG 954

QY 75 ValSerGlyArgGluThrAsnIleProSerValHisValGlyVal----- 90

Db 955 ACAACTGGAGAGACAGGTTACATTCCTCCAGCAATTATGTGGCTCCAGTTCATCCAG 1014

QY 91 SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGluGluLeuLeuLeu 110

Db 1015 GCAGAGAGTGTACTTTTGGAAAACTTGGCCGAAAGATGCTGAGCGACAGCTATTGTCC 1074

QY 111 ProGlyAsnProGlyGlyValPheLeuIleArgGluSerGlnThrArgArgGlySerTyr 130

Db 1075 TTTGAAACCCCAAGAGGTACCTTTCTTATCCGCGAGGTGAACACCAAGAGTGCCTAT 1134

QY 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArgHisTyrArgIle 150

Db 1135 TCACCTTTCTATCCGTGATGGGATGATGAAGAGAGACCATGTCAAAACATTATAAATT 1194

QY 151 HisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeuGln 170

Db 1195 CGCAACTTGACATGTTGGTACTACTACATACACCGCGGCCAGTTTGAACACTTCAG 1254

QY 171 AlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGluPro 190

Db 1255 CAGCTTGTAACAATTACTCAGAGAGAGCTGCAGGTCTCTGCTCCGCTAGTAGTTCCC 1314

QY 191 Cys 191

Db 1315 TGT 1317

RESULT 7

US-09-470-881-7

Sequence 7, Application US/09470881

Patent No. 6685938

GENERAL INFORMATION:

APPLICANT: CHERESH, David A.

APPLICANT: ELICEIRI, Brian

TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR YES TYROSINE KINASES

TITLE OF INVENTION: YES TYROSINE KINASES

FILE REFERENCE: TSRI 651.2

CURRENT APPLICATION NUMBER: US/09/470,881

CURRENT FILING DATE: 1999-12-22

PRIOR APPLICATION NUMBER: PCT/US99/11780

PRIOR FILING DATE: 1999-05-28

PRIOR APPLICATION NUMBER: 60/087,220

PRIOR FILING DATE: 1998-05-29

NUMBER OF SEQ ID NOS: 8

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 7

LENGTH: 4517

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (208)..(1836)

OTHER INFORMATION: human Yes-1 cDNA translated protein

US-09-470-881-7

Alignment Scores:

Pred. No.: 2,05e-23 Length: 4517

Score: 315.50 Matches: 92

Percent Similarity: 43.22% Conservativeness: 45

Best Local Similarity: 29.02% Mismatches: 113

Query Match: 23.32% Indels: 67

DB: 4 Gaps: 9

US-09-939-853A-75 (1-261) x US-09-470-881-7 (1-4517)

QY 2 GlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal--- 20

Db 304 GGAGCAGAACCCCACTACAGTGTCCACCATGTCCGTTCATCTTCAGCAAGGGAACAGCAGTT 363

QY 21 -----GlnGlyGlnGlyProValThrMetGluAla 30

Db 364 AATTTCAGAGCTCTTCCATGACACCATTTGGAGATCCCTCAGGGGTACGCCCTTTTGA 423

QY 31 GluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGly----- 46

Db 424 GTTGCATCTTCCTCATTTTCAGTGGTCCCAAGTTTCATATCTCTGCTGGTTTACACAGGTGCT 483
Qy 47 -----GlyProAlaGluLeuSerLeu 53
Db 484 GTTACTATATTGTCGCCCTTATATGATATGAAGCTAGAACTACAGAGACCTTTTCATT 543
Qy 54 ArgLeuGlyGluProLeuThrIleValSerGlu---AspGlyAspTrpTrpThrValLeu 72
Db 544 AAGAGGCTGAAGATTCAAAATAATACAAACCGAAGGAGATTGGTGGGAGCAAGA 603
Qy 73 SerGluValSerGlyArgGluTyAsnIleProSerValHisValGlyLysVal----- 90
Db 604 TCAATCGCTACAGAAAGATGTTATATCCGAGCAATTATGTAGCGCTGCAGATTC 663
Qy 91 -----SerHisGlyTrpLeuTyGlyLeuSerArgGluLysAlaGluLeuLeu 108
Db 664 ATTCAGGCGAGAAGATGTTATTTGGCAAAATGGGAGAAAGATGCTGAAAGATTACTT 723
Qy 109 LeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGly 128
Db 724 TTGAATCCTGGAATCAACAGAGGTATTTCTTAGTAAGAGAGAGTGAACAACTAAAGGT 783
Qy 129 SerTySerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArg----- 146
Db 784 GCTTATTCCTTTCTATTCGT-----GATTGGGATGAGATAAGGGGTGAC 828
Qy 147 -----HisTyArgIleHisCysLeuAspAsnGlyTrpLeuTyIleSerProArg 163
Db 829 AATGTGAACACACTACAAAATTAGGAACTTGACAATCGTGATATATACACACCAGA 888
Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAspHisTySerGluLeuAlaAspIle 183
Db 889 GCACAATTGATATCTCGCAAAATTTGGTGAACACACTACACAGACATCTGATGTTTA 948
Qy 184 CysCysLeuLeuLysGluProCys-----ValLeuGln 194
Db 949 TGCACAAGTTGACAAGTGTCTCCAACTGTGAACCTCAGACTCAAGGTCTAGCAAAA 1008
Qy 195 ArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrValGlnArg----- 212
Db 1009 GATGCTTGGCAATCCCTCGAAGATCTTTCCGACTAGAGTTAAACTAGGCAAGGATGT 1068
Qy 213 -----ThrProLeuAsnTrpLysGluLeu 220
Db 1069 TTGCGGGAAGTGTGGATGGGAACATGGATGGAAACCGAACAGTAGCAATCAAAACACTA 1128
Qy 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerLeuLeuSerGly 240
Db 1129 AAACCGAGTACAATGATGCGCAGAGCTTTCTTTCAAGAGCTCAGATAATGAAAAATTA 1188
Qy 241 LeuArgGluSerLeu---SerPheTyIleSerLeuAsnAspGluAlaVal 256
Db 1189 AGACATGATAAAGTGTTCACATATATGCTGTTGTTTCTGAGAGACCAATT 1239
RESULT 8
PCT-US93-06251-83
; Sequence 83 Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06251
; FILING DATE: 19930630
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Digilio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8586
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 516-742-4343
; TELEFAX: 516-742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 83:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4517 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; PCT-US93-06251-83
Alignment Scores:
Pred. No.: 2,05e-23 Length: 4517
Score: 315.50 Matches: 92
Percent Similarity: 43.22% Conservative: 45
Best Local Similarity: 29.02% Mismatches: 113
Query Match: 23.32% Indels: 67
DB: 5 Gaps: 9
US-09-939-853A-75 (1-261) x PCT-US93-06251-83 (1-4517)
Qy 2 GlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal--- 20
Db 304 GGAGCAGAACCCACTACAGTGTCCACATGTCCTCATCTTCAGCAAGGAAACAGCAGATT 363
Qy 21 -----GlnGlyGlnGlyProValThrMetGluAla 30
Db 364 AATTTCAGCAGCTCTTCCATGCACACACATTTCGAGGATCCTCAGGGTAAACGCTTTTGA 423
Qy 31 GluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAlaGly----- 46
Db 424 GGTGATCTTCCTCATTTTCAGTGTGCCAAGTTTCATATCTCTGCTGTTTAAACAGGTGCT 483
Qy 47 -----GlyProAlaGluLeuSerLeu 53
Db 484 GTTACTATATTGTCGCCCTTATATGATATGAAGCTAGAACTACAGAGACCTTTTCATT 543
Qy 54 ArgLeuGlyGluProLeuThrIleValSerGlu---AspGlyAspTrpTrpThrValLeu 72
Db 544 AAGAGGCTGAAGATTTCAAATAATTAACAATAACGGAAGAGAGATTGGTGGGAGCAAGA 603
Qy 73 SerGluValSerGlyArgGluTyAsnIleProSerValHisValGlyLysVal----- 90
Db 604 TCAATCGCTACAGAAAGATGTTATATCCGAGCAATTATGTAGCGCTGCAGATTC 663
Qy 91 -----SerHisGlyTrpLeuTyGlyLeuSerArgGluLysAlaGluLeuLeu 108
Db 664 ATTCAGGCGAGAAGATGTTATTTGGCAAAATGGGAGAAAGATGCTGAAAGATTACTT 723
Qy 109 LeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThrArgArgGly 128
Db 724 TTGAATCCTGGAATCAACAGAGGTATTTCTTAGTAAGAGAGAGTGAACAACTAAAGGT 783
Qy 129 SerTySerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleArg----- 146
Db 784 GCTTATTCCTTTCTATTCGT-----GATTGGGATGAGATAAGGGGTGAC 828
Qy 147 -----HisTyArgIleHisCysLeuAspAsnGlyTrpLeuTyIleSerProArg 163
Db 829 AATGTGAACACACTACAAAATTAGGAACTTGACAATCGTGATATATACACACCAGA 888
Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAspHisTySerGluLeuAlaAspIle 183

Db 889 GCACAAATTTGACTCTGCAGAAATTTGGTGAACACTACACAGAACATGCTGATGTTA 948
Qy 184 CysCysLeuLeuGluProCys-----ValLeuGln 194
Db 949 TGCACAACTTGACAACTGTGTGTCACAACTGTGAAACCTTCAGACTCAAGGTCTAGCAAAA 1008
Qy 195 ArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrValGlnArg----- 212
Db 1009 GATGCTTGGGAAATCCCTCGAAGATCTTTTGGCACTAGAGTTAAACTAGGACAAGGATGT 1068
Qy 213 -----ThrProLeuAsnTrpLysGluLeu 220
Db 1069 TTTCGGCGAAGTGTGGATGGGAATGGAATGGAACACGACGAAAGTAGCAATCAAAACACTA 1128
Qy 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluSerLeuLeuSerGluGly 240
Db 1129 AAACCAAGGTACATGATGTCAGAAAGCTTTTCTTCAAGAAAGCTCAGATATGAAAAATTA 1188
Qy 241 LeuArgGluSerLeu---SerPheTyrIleSerLeuAsnAspGluAlaVal 256
Db 1189 AGACATGATAAATCTGTTCCACTATATGCTGTGTGTTCTGGAAGAACCAATT 1239

RESULT 9
US-09-006-675-1
; Sequence 1, Application US/09006675
; Patent No. 5952213
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Weinstein, Daniel C.
; TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF
; TITLE OF INVENTION: USE THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; STREET: 411 Hackensack Avenue, 4th Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/006,675
; FILING DATE: 13-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-217
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1491 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1491
US-09-006-675-1
Alignment Scores: 6.12e-24 Length: 1491
Pred. No.: 313.50 Matches: 78
Score:

Percent Similarity: 52.34% Conservative: 34
Best Local Similarity: 36.45% Mismatches: 75
Query Match: 23.17% Indels: 27
DB: 2 Gaps: 6
US-09-939-853A-75 (1-261) x US-09-006-675-1 (1-1491)
Qy 1 MetGlySerLeuProSerArg-----ArgLysSerLeuProSerProSer 15
Db 1 ATGGCGTGCATCAAGTCAAGTCAAGGATTCAAAATACGACTGGCAAAAGTCTGGGACCTCCGGAA 60
Qy 16 LeuSerSerValGlnGlyPro-----ValThrMet-----GluAlaGlu 31
Db 61 AGCACCCAAACCCATTATGTGAGGACCCCAACATCTACAGTAAGTAACTAAACCTGAA 120
Qy 32 ArgSer-----LysAlaThrAlaValAlaLeuGly 41
Db 121 AGATCATCTAAGCACCCAGAGAGAGGCAAGAGAGTGGTCTCGTGGCTTTGTAT 180
Qy 42 SerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIle 61
Db 181 GACTATGATGGAGTCCACCTGGGATCTGACTTTAGGAAAGGGGACCATCTCTCTGCTA 240
Qy 62 ValSerGluAspGlyAspTrpThrValLeuSerGluValSerGluValSerGlyArgGluTyrAsn 81
Db 241 AAGAAAGAGTCAGGGAGTGTGGGAAGCATGTCTAATTTCCACTGGTGAAGAGGCTTT 300
Qy 82 IleProSerValHisValGlyLysVal-----SerHisGlyTyrLeuTyrGlu 97
Db 301 GTTCCAGTAACTATGATGAGGTATTTCAATTCCTCGGAATCTGAAGAGTGGTACTTTAAA 360
Qy 98 GlyLeuSerArgGluLysAlaGluLeuLeuLeuLeuProGlyAsnProGlyGlyAla 117
Db 361 GGCAATGAGCGGGAAGGAAAGCTGAAAGGCAGCTGCTATCTCTCTGTAATAAAGTGGGCT 420
Qy 118 PheLeuIleArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSer 137
Db 421 TTCATGATCCGAGACAGTGAACAATGAAAGGTGTTTCTCCCTCTCTGTGCGA----- 474
Qy 138 ArgProAlaSerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTyr 157
Db 475 -----GACTCAGGGGACACTGTGAACATTACAAATTCGCACACTCGATGGAGGT 528
Qy 158 LeuTyrIleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSer 177
Db 529 TTCTTCATTTCTACACGATCCCTTTCTCTTTTGCAGAGTGGTACGCCATTATCAA 588
Qy 178 GluLeuAlaAspAspIleCysCysLeuLeuLysGluProCys 191
Db 589 GGTAAAGTGGATGGCTTGTGTCAGTGCCTTACAATACCAATGC 630

RESULT 10
US-09-228-603A-1
; Sequence 1, Application US/09228603A
; Patent No. 6291651
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Weinstein, Daniel C.
; TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF
; TITLE OF INVENTION: USE THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; STREET: 411 Hackensack Avenue, 4th Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

QY 38 -----ValAlaLeuGlySerPheProAlaGlyGlyProAlaGlu 50
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QY 51 LeuSerLeuArgLeuGlyGluProLeuThrLeuValSerGlu---AspGlyAspTrpTrp 69
Db 433 CTCACCTTCACCAAGGGCAGAGTTCACATCTCTGACAACTACTGAAGTACTGGTGG 492
QY 70 ThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerValHisValGlyLys 89
Db 493 GAGGCTCGGTCTCTCAGCTCCGGAAGAACTGGCTGCATTCCTCCAGCAACTACGTCGCCCT 552
QY 90 Val-----SerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAlaGlu 105
Db 553 GTTACTCATCAAGCTCAAGAGTGTACTTTGGAAAGATTGGAGAAAGATCGAGAG 612
QY 106 GluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGlnThr 125
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QY 126 ArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArgile 145
Db 673 ACCAAGGTGGCTTACTCTCTGCTCCATCCGGGACTGGATCGAGCAGAGCGCATGATG 732
QY 146 ArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThr 165
Db 733 AAGCATTAAGATCCGCAACTGGACATGGGGGCTACTACATCACCAACACGGTTCAG 792
QY 166 PheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCys 185
Db 793 TTAACCTCGGTGCAGAGCTGGTGCAGCACTACATGAGGTGAATGACGGGTGTGCAAC 852
QY 186 LeuLeuLysGluProCysValLeuGlnArg 195
Db 853 CTGCTCATCGCGCTTGCCATCATGAAG 882

RESULT 12

US-09-470-881-2
; Sequence 2, Application US/09470881
; Patent No. 6685938
; GENERAL INFORMATION:
; APPLICANT: CHERESH, David A.
; APPLICANT: ELICBIRL, Brian
; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF
; TITLE OF INVENTION: ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR
; TITLE OF INVENTION: YES TYROSINE KINASES
; FILE REFERENCE: TSRI 651.2
; CURRENT APPLICATION NUMBER: US/09/470,881
; CURRENT FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: PCT/US99/11780
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/087,220
; PRIOR FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1759
; TYPE: DNA
; ORGANISM: Chicken
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1759)
; OTHER INFORMATION: chicken c-src cDNA
; NAME/KEY: CDS
; LOCATION: (112)..(1710)
US-09-470-881-2

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QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
Db 364 -----ACTTTCGTGGCTCTCTACGACTACGAG 390
QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
Db 391 TCCCGGACTGAAACCGGACTGTCTCTCAAGAAAGAGAAACGCTGCGAGATTGTCAACAAC 450
QY 65 ---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIlePro 83
Db 451 ACGGAAGTGAAGTGGCTGGCTCATTCCTCTCACTACAGGACAGACGAGGCTACATCCC 510
QY 84 SerValHisValGlyLys-----ValSerHisGlyTrpLeuTyrGluGlyLeu 99
Db 511 AGTAACATATGTGGCGCCCTCAGACTCCTCATCGAGCTGAAGAGTGTACTTTGGGAAGATC 570
QY 100 SerArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeu 119
Db 571 ACTGTCGGGAGTCCGAGCGCTCTCTCAACCCCGAAACCCCGCGGAACCTTCTTG 630
QY 120 IleArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgPro 139
Db 631 GTCCGGAGAGCGAGAGCAAAAGTGGCTATGTCTCTCCGTTTCTGACTTTTGCAAC 690
QY 140 AlaSerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyr 159
Db 691 GCCAAGGGCTCAATGTGAAGCACTACAAGATCCGCAAGCTGGACACGGCGGCTTCTAC 750
QY 160 IleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeu 179
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QY 180 AlaAspAspIleCysCysLeuLeuLysGluProCys----- 191
Db 811 GCTGATGGTTGTGCCACCGCTGACCAAGCTGTGCCCGGCTGCAAGCCCGGAGCCAGCCAG 870
QY 192 ---ValLeuGlnArgAlaGlyProLeuProGlyLysAspIleProLeuProValThrVal 210
Db 871 GGACTCGCAAGGACGGCTGGGAAATCCCGGGAGTGGCTGGCTGGAGTGAAGCTG 930
QY 211 GlnArg-----ThrProLeuAsn 216
Db 931 GGGCAGGGCTGCTTTGGAGAGTCTGGATGGGGACCTGGGAACCGCACCCAGAGTGGCC 990
QY 217 TrpLysGluLeuAspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerLeu 236
Db 991 ATAAAGACTCTGAAGCCCGGACCATGTCCCGGAGGCTTCTCTGAGGAAGCCCAAGTG 1050
QY 237 LeuSerGluGlyLeuArgGluSerLeu---SerPheTyrIleSerLeuAsnAspGluAla 255
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Db 1111 ATC 1113
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; Sequence 1, Application US/07820011A
; Patent No. 5336615
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.

;; TITLE OF INVENTION: Genetically Engineered
;; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
;; TITLE OF INVENTION: Migration
;; TITLE OF INVENTION: and Plasminogen Activator Activity

;; NUMBER OF SEQUENCES: 4

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Maurice M. Klee

;; STREET: 1951 Burr Street

;; CITY: Fairfield

;; STATE: Connecticut

;; COUNTRY: USA

;; ZIP: 06430

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: 5.25 inch, 360 Kb storage

;; COMPUTER: IBM PC XT

;; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10

;; SOFTWARE: Displaywrite 3

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/07/820,011A

;; FILING DATE: 19920106

;; CLASSIFICATION: 435

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Klee, Maurice M.

;; REGISTRATION NUMBER: 30,399

;; REFERENCE/DOCKET NUMBER: LB-101

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: (203) 255 1400

;; TELEFAX: (203) 254 1101

;; INFORMATION FOR SEQ ID NO: 1:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 1602 base pairs

;; TYPE: NUCLEIC ACID

;; STRANDEDNESS: Double

;; TOPOLOGY: Linear

;; MOLECULE TYPE: cDNA to mRNA

;; HYPOTHETICAL: No

;; ANTI-SENSE: No

;; ORIGINAL SOURCE:

;; ORGANISM: Gallus, gallus

;; PUBLICATION INFORMATION:

;; AUTHORS: Takeya, Tatsuo

;; AUTHORS: Hanafusa, Hidesaburo

;; TITLE: Structure and Sequence of the

;; TITLE: Cellular Gene Homologous to the RSV src

;; TITLE: Gene and the Mechanism for Generating the

;; TITLE: Transforming Virus

;; JOURNAL: Cell

;; VOLUME: 32

;; PAGES: 881-890

;; DATE: March, 1983

;; US-07-820-011A-1

Alignment Scores:

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Score: 287.00 Matches: 81

Percent Similarity: 51.28% Conservative: 39

Best Local Similarity: 34.62% Mismatches: 84

Query Match: 21.21% Indels: 32

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QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44

Db 253 -----ACTTTCGTGGCTCTCTACGACTACGAG 279

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64

Db 280 TCCGGGACTGAACGGGACITGTCTTCAAGAAAGGAGAGCGCTGCAGATTGTCAACAC 339

QY 65 ---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTrpAsnIlePro 83
Db 340 ACGGAAGTGACTGGTGGCTGGCTCATTCCTCCTACAGACAGACGGGCTACATCCCC 399
QY 84 SerValHisValGlyLys-----ValSerHisGlyTrpLeuTrpGluGlyLeu 99
Db 400 AGTAACATATGTGGCGGCGCTCAGACTCCATCCAGGCTGAAGAGTGGTACTTTGGGAAGATC 459
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; Sequence 1, Application PC/TUS9300445
; GENERAL INFORMATION:
; APPLICANT: Bell, Leonard
; APPLICANT: Madri, Joseph A.
; APPLICANT: Warren, Stephen L.
; APPLICANT: Luthringer, Daniel J.
; TITLE OF INVENTION: Genetically Engineered
; TITLE OF INVENTION: Endothelial Cells
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Maurice M. Klee
; STREET: 1951 Burr Street
; CITY: Fairfield
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06430
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 760 Kb storage
; COMPUTER: DELL 486/50
; OPERATING SYSTEM: DOS 5.0
; SOFTWARE: Displaywrite 3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/00445
; FILING DATE: 19930105
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/820,011
; FILING DATE: 06-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Klee, Maurice M.
; REGISTRATION NUMBER: 30,399
; REFERENCE/DOCKET NUMBER: ALX-101PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 255 1400


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ISSUE: 5
PAGES: 1122-1129
DATE: May, 1985
PUBLICATION INFORMATION:
AUTHORS: Tanaka, Akio
AUTHORS: Gibbs, Carol P.
AUTHORS: Arthur, Richard R.
AUTHORS: Anderson, Stephen K.
AUTHORS: Kung, Hsing-Jien
AUTHORS: Fujita, Donald J.
TITLE: DNA Sequence Encoding the
TITLE: Amino-Terminal Region of the Human c-src
TITLE: Protein: Implications of Sequence
TITLE: Divergence among src-Type Kinase
TITLE: Oncogenes
JOURNAL: Molecular and Cellular Biology
VOLUME: 7
ISSUE: 5
DATE: 1978-1983
PAGES:
DATE: May, 1987
US-07-820-011A-3

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GenCore version 5.1.6
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(without alignments)
2625.198 Million cell updates/sec

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

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US-09-939-853A-74
Sequence 74, Application US/09939853A
Publication No. US20040039163A1
GENERAL INFORMATION:
APPLICANT: Burgess et al.
TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-099
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: 60/228,191
PRIOR FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: 60/267,300
PRIOR FILING DATE: 2001-02-08
PRIOR APPLICATION NUMBER: 60/269,961
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/277,337
PRIOR FILING DATE: 2001-03-20
NUMBER OF SEQ ID NOS: 159
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 74
LENGTH: 1183
TYPE: DNA

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	3	1347	99.6	786	15	US-10-043-649-1	Sequence 1, Appl
	4	1206.5	89.2	1413	17	US-10-115-635-120	Sequence 120, App
	5	826	61.0	783	9	US-09-867-550-953	Sequence 953, App
	6	643	47.5	864	10	US-09-814-353-21302	Sequence 21302, A
	7	586	43.3	875	14	US-09-867-550-1915	Sequence 1915, Ap
	8	488	36.1	3756	14	US-10-002-600-91	Sequence 91, Appl
	9	487	36.0	2665	9	US-09-954-456-499	Sequence 499, App
	10	487	36.0	2665	13	US-10-342-887-1312	Sequence 1312, Ap
	11	487	36.0	2665	13	US-10-172-118-1312	Sequence 1312, Ap
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	20	360.5	26.6	2015	13	US-10-342-887-726	Sequence 726, App
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	22	360.5	26.6	2015	15	US-10-007-010-3	Sequence 3, Appl
	23	360.5	26.6	2015	17	US-10-641-643-1105	Sequence 1105, Ap
	24	360.5	26.6	2341	15	US-10-252-157-140	Sequence 140, App
	25	360.5	26.6	2343	16	US-10-062-674-2038	Sequence 2038, Ap
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	27	350	25.9	320	10	US-09-814-353-17314	Sequence 17314, A
	28	348	25.7	1530	12	US-09-997-722-234	Sequence 234, App
	29	348	25.7	2032	12	US-09-997-722-233	Sequence 233, App
	30	348	25.7	2032	16	US-10-366-288-27	Sequence 27, Appl
	31	348	25.7	2032	17	US-10-316-515-4	Sequence 4, Appl
	32	340	25.1	2017	16	US-10-062-674-1776	Sequence 1776, Ap
	33	340	25.1	2034	13	US-09-805-020-3	Sequence 3, Appl
	34	340	25.1	2129	10	US-09-960-706-954	Sequence 954, App
	35	340	25.1	2129	16	US-10-305-720-1452	Sequence 1452, Ap
	36	340	25.1	2129	17	US-10-316-515-75	Sequence 75, Appl
	37	338.5	25.0	1530	12	US-09-997-722-231	Sequence 231, App
	38	338.5	25.0	2100	12	US-09-997-722-230	Sequence 230, App
	39	337	24.9	2282	13	US-09-805-020-4	Sequence 4, Appl
	40	332	24.5	1554	13	US-10-280-576-18	Sequence 18, Appl
	41	324	23.9	2433	15	US-10-240-965-114	Sequence 114, App
	42	323	23.9	2435	17	US-10-641-643-1313	Sequence 1313, Ap
	43	322.5	23.8	2451	9	US-09-771-161A-4	Sequence 4, Appl
	44	320	23.7	1609	9	US-09-771-161A-30	Sequence 30, Appl
	45	320	23.7	1614	12	US-10-052-482-126	Sequence 126, App

; ORGANISM: Homo sapiens

US-09-939-853A-74

Alignment Scores:

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Score: 1353.00 Matches: 261
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-939-853A-74 (1-1183)

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QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
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QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
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DB 1058 GACAGTCCCTCTCTGTTTCTGAAGCTGCCAGGGGAGGCTCTCTCTCAGTGGGGT 1117
QY 241 LeuArgGluSerLeuSerPheTrpIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
DB 1118 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGATGACGAGGCTGTCTCTTTGATGAT 1177
QY 261 Ala 261
DB 1178 GCC 1180

RESULT 2

US-09-939-853A-76/c

; Sequence 75, Application US/09939853A

; Publication No. US20040039163A1

; GENERAL INFORMATION:

; APPLICANT: Burgess et al.

; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-099

; CURRENT APPLICATION NUMBER: US/09/939,853A

; CURRENT FILING DATE: 2001-08-27

; PRIOR APPLICATION NUMBER: 60/228,191

; PRIOR FILING DATE: 2000-08-25

; PRIOR APPLICATION NUMBER: 60/267,300

; PRIOR FILING DATE: 2001-02-08

; PRIOR APPLICATION NUMBER: 60/269,961

; PRIOR FILING DATE: 2001-02-20

; PRIOR APPLICATION NUMBER: 60/277,337

; PRIOR FILING DATE: 2001-03-20

; NUMBER OF SEQ ID NOS: 159

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 76

; LENGTH: 1183

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-939-853A-76

Alignment Scores:

Pred. No.: 6,56e-148 Length: 1183
Score: 1353.00 Matches: 261
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-939-853A-75 (1-261) x US-09-939-853A-76 (1-1183)

QY 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal 20
DB 786 ATGGGAAGTCTGCCAGCAGAGAGAAATCTCTCCAGCCCAAGCTTGAGTTCTCTGTC 727
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
DB 726 CAAAGCCAGGACCTGTGACCATGGAAGCAGAGAGAGCAAGCCACAGCCGTGGCCCTG 667
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
DB 666 GGCAGTTTCCCGCAGGTGCCCGCCGAGCTGTGCTGAGACTCGGGAGGCCATTGACC 607
QY 61 IleValSerGluAspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyr 80
DB 606 ATCGTCTCTCAGGATGAGACTGGTGACGCTGTCTGAAGTCTCAGCAGAGAGTAT 547
QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
DB 546 AACATCCCGACGCTCCAGCTGGCAAGTCTCCCATGGGTGGCTGTATGAGGCGCTGAGC 487
QY 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyAlaPheLeuIle 120
DB 486 AGGAGAAACAGAGGAACCTGTGTTTACCTGGGAACCCCTGGAGGGCCCTTCTCATC 427
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
DB 426 CGGAGAGCCAGACACAGAGAGCTCTTACTCTCTGCTCAGTCCGCCCTCAGCCGCCCTGCA 367
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIle 160
DB 366 TCCTGGACCGCATCAGACACTACAGATCCACTGCTTGCACATGGCTGGCTGTACATC 307
QY 161 SerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAla 180
DB 306 TCACCGCGCTCACCTTCCCTCACTCCAGGCCCTGGTGACCCATTACTCTGAGCTGGCG 247
QY 181 AspAspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuPro 200
DB 246 GATGACATCTGCTCTACTCAAGGAGCCCTGTGCTCTGCAGAGGGCTGGCCCGCTCCCT 187
QY 201 GlyLysAspIleProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeu 220

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Db 186 GGCAGGATATACCCCTAGCTGTGACTGTGCAGAGACACCACTCAACTGGAAAGAGCTG 127
QY 221 AspSerSerLeuLeuPheSerGluAlaAaThrGlyGluGluSerLeuLeuSerGluGly 240
Db 126 GACAGCTCCCTCTGTTTCTGAGTGTCCACAGGGAGAGTCTCTTCTAGTGAGGT 67
QY 241 LeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
Db 66 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGAATGACGAGGCTCTCTTTGGATGAT 7
QY 261 Ala 261
Db 6 GCC 4

RESULT 3
US-10-043-649-1
; Sequence 1, Application US/10043649
; Publication No. US20030059924A1
; GENERAL INFORMATION:
; APPLICANT: Holland, Sacha J.
; APPLICANT: Mendenhall, Marcy K.
; APPLICANT: Pardo, Jorge
; APPLICANT: Spencer, Collin
; APPLICANT: Fu, C. Alan
; APPLICANT: Luo, Ying
; APPLICANT: Payan, Donald G.
; APPLICANT: Mancebo, Helena S.Y.
; APPLICANT: Wu, Jun
; APPLICANT: Zhou, Xiulan
; APPLICANT: Shen, Mary
; APPLICANT: Liao, X. Charlene
; APPLICANT: Sheng, Ning
; TITLE OF INVENTION: Cloning of a No. US20030059924A1el Inhibitor of Antigen-receptor
; FILE REFERENCE: A-70219-1/RMS/DHR
; CURRENT APPLICATION NUMBER: US/10/043,649
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/260,953
; PRIOR FILING DATE: 2001-01-10
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 786
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(786)
; OTHER INFORMATION:
US-10-043-649-1

Alignment Scores:
Pred. No.: 1,87e-147 Length: 786
Score: 1347.00 Matches: 260
Percent Similarity: 99.62% Conservative: 0
Best Local Similarity: 99.62% Mismatches: 1
Query Match: 99.56% Indels: 0
DB: 15 Gaps: 0

US-09-939-853a-75 (1-261) x US-10-043-649-1 (1-786)

QY 1 MetGlySerLeuProSerArgArgGlySerLeuProSerProSerLeuSerSerVal 20
Db 1 ATGGGAAGTCTGCCAGCAGCAAGAAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTC 60
QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerIysAlaThrAlaValAlaLeu 40
Db 61 CAAGGCCAGGAGCCTGTGACCATGGGAAGCAGAGAGCAAGCAAGCCAGCCGTGGCCCTG 120
QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgGlyGluProLeuThr 60
Db 121 GGCAGTTTCCCGCAGGTGGCCCGCGAGCTGTCTGAGACTGTGGGAGCCATTGACC 180
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QY 61 IleValSerGluAspGlyAspTyrTrpThrValLeuSerGluValSerGlyArgGluTyr 80
Db 181 ATCGTCTCTGAGGATGCAGACTGTGTGACGCGTGTCTGTGAAGTCTCAGGCAGAGATAT 240
QY 81 AsnIleProSerValHisValGlyIysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
Db 241 AACATCCCAAGCGTCCACGTCGGCCAAAGTCTCCCATGGGTGGCTGTATGAGGGCTCAGC 300
QY 101 ArgGluIysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
Db 301 AGGAGAGAAGCAGAGGAACGTCTGTGTACTTGGAAACCCCTGGAGGGCCCTTCTCATC 360
QY 121 ArgGluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAla 140
Db 361 CGGAGAGACCCAGACAGAGAGGCTTACTCTCTGTCACTCCGCCCTCAGCCGCCCTGCA 420
QY 141 SerTrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIle 160
Db 421 TCCTGGGACCGGATCAGACACTACAGGATCCACTGCCCTTGACAAATGCTGGCTGTACATC 480
QY 161 SerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAla 180
Db 481 TCACCGCGCTCACCCTTCCCTCCTCAGGCCCTCGTGGACCACTTACTCTGAGCTGGCG 540
QY 181 AspAspIleCysCysLeuLeuLeuProCysValLeuGlnArgAlaGlyProLeuPro 200
Db 541 GATGACTCTCTGCTGCTACTCAGAGGCCCTGTCTCTGAGAGGCTGGCCCCCTCCT 600
QY 201 GlyIysAspIleProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeu 220
Db 601 GGCAAGGATATACCCCTTACTGTGACTGTGCAGAGGACACCCACTCAACTGGAAAGAGCTG 660
QY 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerLeuSerGluGly 240
Db 661 GACAGCTCCCTCTCTGTTTCTGAAAGCTGCCACAGGAGGAGTCTCTTCTCAGTGAGGCT 720
QY 241 LeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
Db 721 CTCGGGAGTCCCTCAGCTTCTACATCAGCTGAATGACGAGGCTGTCTCTTTTGAATGAT 780
QY 261 Ala 261
Db 781 GCC 783

RESULT 4
US-10-115-635-120
; Sequence 120, Application US/10115635
; Publication No. US20040137434A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Zhou, Ping
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Zhao, Qing A.
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: Polypeptides
; FILE REFERENCE: 797CON
; CURRENT APPLICATION NUMBER: US/10/115,635
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 09/714,936
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 362
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 120
; LENGTH: 1413
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APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, ASSESSMENT, PREVENTION, AND
THERAPY OF OVARIAN CANCER
FILE REFERENCE: MEI-006B
CURRENT APPLICATION NUMBER: US/09/814,353
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 21302
LENGTH: 864
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 3, 32, 862, 863, 864
OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302
Alignment Scores:
Pred. No.: 3,53e-65 Length: 864
Score: 643.00 Matches: 126
Percent Similarity: 98.45% Conservative: 1
Best Local Similarity: 97.67% Mismatches: 2
Query Match: 47.52% Indels: 0
DB: 10 Gaps: 0
US-09-939-853A-75 (1-261) x US-09-814-353-21302 (1-864)
Qy 1 MetGlySerLeuProSerArgArgGlySerLeuProSerProSerLeuSerSerSerVal 20
Db 450 ATGGGAAGTCTGCCAGCAGAGAAATCTCTGCCAAGCCCAAGCTTGATTCCTCTGTC 509
Qy 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
Db 510 CAAGGCCAGGACCTGTGACCATGGAAGCAGAGAGAGCAAGCCACAGCCGTGGCCCTG 569
Qy 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
Db 570 GGCAGATTTCGGCAGGTGGCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACC 629
Qy 61 IleValSerGluAspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyr 80
Db 630 ATGGTCTCTGAGGATGAGACTGTGTGAGCGGTCTGTCTGAAGTCTCAGGACAGAGAT 689
Qy 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
Db 690 AACATCCCCAGCGTCCACGTGGCCAAAGTCTCCATGGGTGGCTGTATGAGGGCCCTGAGC 749
Qy 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyValAlaPheLeuIle 120
Db 750 AGGAGAAAGCAGAGGAGACTGTGTGTTACTTGGGAACCTTGGAGGGCCCTTCTCATC 809
Qy 121 ArgGluSerGlnThrArgArgGlySer 129
Db 810 CGGAGAGACCCAGCAGGAGAGGTCC 836
RESULT 7
US-09-867-550-1915
Sequence 1915, Application US/09867550

Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Menabean, Fuad,
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1915
LENGTH: 875
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)
OTHER INFORMATION: Wherein n is one of a or t or c or g
US-09-867-550-1915
Alignment Scores:
Pred. No.: 1.63e-58 Length: 875
Score: 586.00 Matches: 112
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.31% Indels: 0
DB: 9 Gaps: 0
US-09-939-853A-75 (1-261) x US-09-867-550-1915 (1-875)
Qy 150 IleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeuThrPheProSerLeu 169
Db 4 ATCCACTGCTTGACAAATGGCTGGCTGTACATCTCACCGCGCTCACCTTCCCTCACTC 63
Qy 170 GlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCysCysLeuLeuLysGlu 189
Db 64 CAGCCCTCGTGGACCATTTACTGTAGCTGGCGGATGACATCTGTGCTACTCAAGAG 123
Qy 190 ProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIleProLeuProValThr 209
Db 124 CCCTGTGTCTCTGACAGAGGCTGGCCGCTCCCTGGCAAGGATATACCCCTACCTGTGACT 183
Qy 210 ValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeuLeuPheSerGluAla 229
Db 184 GTGCAGAGACACCATCTCACTGGAAGAGCTGGACAGCTCCCTCTCTGTTTCTGAAGCT 243
Qy 230 AlaThrGlyGluGluSerLeuLeuSerGluGlyLeuArgGluSerLeuSerPheTyrIle 249
Db 244 GCCACAGGGAGGAGTCTCTTCTCAGTGAGGCTCCCGGAGTCCCTCAGCTTCTACATC 303
Qy 250 SerLeuAsnAspGluAlaValSerLeuLeuAspAla 261
Db 304 AGCCTGAATGACGAGGCTGTCTTTTGGATGATGCC 339
RESULT 8
US-10-002-600-91
Sequence 91, Application US/10002600
Publication No. US2002013707A1
GENERAL INFORMATION:
APPLICANT: Hopkins, Christopher M.
APPLICANT: Peterson, David P.
APPLICANT: Cocks, Benjamin G.
APPLICANT: Hawkins, Phillip R.
TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
FILE REFERENCE: PA-0042 US
CURRENT APPLICATION NUMBER: US/10/002,600
CURRENT FILING DATE: 2001-10-25

;; PRIOR APPLICATION NUMBER: 60/243,521
;; PRIOR FILING DATE: 2000-10-25
;; NUMBER OF SEQ ID NOS: 116
;; SOFTWARE: PERL Program

;; SEQ ID NO 91
;; LENGTH: 3756
;; TYPE: DNA
;; ORGANISM: Homo sapiens

;; FEATURE:
;; NAME/KEY: misc feature
;; OTHER INFORMATION: Template ID: 059263.15

US-10-002-600-91

Alignment Scores:

Pred. No.: 3,44e-46

Score: 488.00

Percent Similarity: 57.20%

Best Local Similarity: 39.30%

Query Match: 36.07%

DB: 16

Gaps: 14

US-09-939-853A-75 (1-261) x US-10-002-600-91 (1-3756)

QY 5 ProSerArgArgLysSerLeuProSerProSerLeuSerSerSerValGlnGlyGln 24

Db 1098 CCAGGGAAGAAAGAAATGGGAACACGATGAATCCACCCCTGGCTGCCGAGG 1157

QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44

Db 1158 CCCTGCCCAACCCGAGGAGCTGGATAGCGACTTCCTTCCGCTGCTAAGTGACTACCCG 1217

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64

Db 1218 TCTCCTGACATCAGCCCCCGATTCGCCCGAGGGGAGAACTCGGTGTGATTTCTGAT 1277

QY 65 AspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTrpAsnIleProSer 84

Db 1278 GAAGGGGGTGTGGAAAGCTATTTCTTAGCACTGGTTCGAGAGAGTTACATCCCTCGA 1337

QY 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrglyLeuSerArgGluLysAla 104

Db 1338 ATATGTGTGGCAGAGTTACATGCTGCTGTGTGAGGGCTGGCGAGAGAGAGGCC 1397

QY 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124

Db 1398 GAGGAGCTGCTCAGCTGCCAGACACAAAGGTCGCTCTTCATGATCAGAGAGTGAG 1457

QY 125 ThrArgArgGlySerTyrrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144

Db 1458 ACCAAGAAGGTTTACTACTGTCGGTGAACAAGG-----CAG 1499

QY 145 IleArgHisTyrrArgIleHisCysLeuAspAsnGlyTrpLeuTyrrIleSerProArgLeu 164

Db 1500 GTAAAGCATACCGCATTTTCGCTCTGCCACCAACCTGGTACTACATTTCCCGAGGCTC 1559

QY 165 ThrPheProSerLeuGluAlaLeuValAspHisTyrrSerGluLeuAlaAspAspIleCys 184

Db 1560 ACCITTCAGTCCCTGGAGGACCTGGTGAACCACTATTCTGAGTGGCTGATGGCTGTGC 1619

QY 185 CysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204

Db 1620 TGTGTGCTCACCAGCCCTGTCTGACACAAAGCAGCGCTGCCAGAGTGAGGCGCTCC 1679

QY 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224

Db 1680 AGCTACCTGTACCTTGGCTGAGAGACTGTGAGAGGAGAGTTCACAG----- 1733

QY 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237

Db 1734 ---CTGCAGGAGGAGCCCGAGGAGACAGAGAACCCCGCTTGGGTGAGCAGAGTCCCTTTC 1790

QY 238 SerGluGlyLeuArgGluSerLeuSerPheTyrrIleSerLeuAsnAspGlu 254

Db 1791 AGCTATGGCTTCGAGAGAGCATTTGCCCTTACCTGTCCCTGACCAGTGAG 1841

RESULT 9

US-09-954-456-499

;; Sequence 499, Application US/09954456

;; Patent No. US20020115057A1

;; GENERAL INFORMATION:

;; APPLICANT: Young, Paul

;; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canceled

;; FILE OF INVENTION: Sets

;; FILE REFERENCE: 689290-76

;; CURRENT APPLICATION NUMBER: US/09/954,456

;; PRIOR FILING DATE: 2001-09-18

;; PRIOR APPLICATION NUMBER: US/60/233,617

;; PRIOR FILING DATE: 2000-09-18

;; PRIOR APPLICATION NUMBER: US/60/234,052

;; PRIOR FILING DATE: 2000-09-20

;; PRIOR APPLICATION NUMBER: US/60/234,923

;; PRIOR FILING DATE: 2000-09-25

;; PRIOR APPLICATION NUMBER: US/60/235,134

;; PRIOR FILING DATE: 2000-09-25

;; PRIOR APPLICATION NUMBER: US/60/235,637

;; PRIOR FILING DATE: 2000-09-26

;; PRIOR APPLICATION NUMBER: US/60/235,638

;; PRIOR FILING DATE: 2000-09-26

;; PRIOR APPLICATION NUMBER: US/60/235,711

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,720

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,840

;; PRIOR FILING DATE: 2000-09-27

;; PRIOR APPLICATION NUMBER: US/60/235,863

;; PRIOR FILING DATE: 2000-09-27

;; NUMBER OF SEQ ID NOS: 2276

;; SOFTWARE: PatentIn version 3.0

;; SEQ ID NO 499

;; LENGTH: 2665

;; TYPE: DNA

;; ORGANISM: Homo sapiens

US-09-954-456-499

Alignment Scores:

Pred. No.: 2,79e-46

Score: 487.00

Percent Similarity: 57.20%

Best Local Similarity: 39.30%

Query Match: 35.99%

DB: 16

Gaps: 9

US-09-939-853A-75 (1-261) x US-09-954-456-499 (1-2665)

QY 5 ProSerArgArgLysSerLeuProSerProSerLeuSerSerSerValGlnGlyGln 24

Db 24 CCAGGGAAGAAAGAAATGGGAACACGATGAATCCACCCCTGGCTGCCGAGG 83

QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44

Db 84 CCCTGCCCAACCCGAGGAGCTGGATAGCGACTTCCTTCCGCTGCTAAGTGACTACCCG 143

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64

Db 144 TCTCCTGACATCAGCCCCCGATTCGCCCGAGGGGAGAACTCGGTGTGATTTCTGAT 203

QY 65 AspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrrAsnIleProSer 84

Db 204 GAAGGGGGCTGGTGGAAAGCTATTCTTAGCACTGTTCGAGAGAGTTACATCCCTGGA 263

QY 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrrGlyLeuSerArgGluLysAla 104

Db 264 ATATGTGTGGCCAGAGTTTACCATGGCTGTGCTTTGAGGGCTGGGCGAGAGCAAGGCC 323

QY 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124


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Db 324 GAGGAGCTGCTGACGTGCCAGACACAAAGGTGGCTCCTTCATGATCAGAGAGTGAG 383
Qy 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
Db 384 ACCAGAAAGGGTTTACTCACTGCTGGTGA-----CACAGGCAG 425
Qy 145 IleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeu 164
Db 426 GTAAAGCATTACCGATTTCCTGCTGCCGACAACTGCTACTACTATTCCTCCCGAGGCTC 485
Qy 165 ThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspCys 184
Db 486 ACCTTCAGTGTGGAGACCTGCTGAACCACTATTCTGAGTGGCTGATGGCTGTGC 545
Qy 185 CysLeuLeuGlyGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
Db 546 TGTGTGCTCACCAGCCCTGCTGCACAAAGCAGCGTGCCTCCAGCAGTGGAGGCTCC 605
Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
Db 606 AGCTCACCTGTACCTTGGCTGAGAGAGTGTGGACTGTGGAGTGTGGAGAGTGTCCAGA----- 659
Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
Db 660 ---CTGACGAGGAGCCCGGAGGAGACAGAGAACCGCTTGGGGTAGACGAGTCCCTTTTC 716
Qy 238 SerGluGlyLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGlu 254
Db 717 AGCTATGGCTTCGAGAGAGCATTGCCTTCTTACCTGTCTCCCTGACAGGTGAG 767

RESULT 11
US-10-342-887-1312
; Sequence 1312, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 50/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1312

Alignment Scores:
Pred. No.: 2,79e-46 Length: 2665
Score: 487.00 Matches: 101
Percent Similarity: 57.20% Conservative: 46
Best Local Similarity: 39.30% Mismatches: 94
Query Match: 35.99% Indels: 16
DB: 13 Gaps: 3

US-09-939-853A-75 (1-2661) x US-10-342-887-1312 (1-2665)
Qy 5 ProSerArgArgGlySerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24
Db 24 CCAGGAAAGAAAGAAATGGGAAACACAGCATGAATCCACCCCTCGCTGGCTGCCGAGG 83
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Qy 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
Db 84 CCCTTCGCCAACCCGAGGAGCTGGATAGGACTTCTTCCCTGCTAGTACTACCCG 143
Qy 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
Db 144 TCTCTGACATCAGCCCGCATATTCCGCCGAGGAGGAGAACTGGCTGTGATTTCTGAT 203
Qy 65 AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSer 84
Db 204 GAAGGGGGCTGGTGGAAAGCTATTCTTACGACCTGGTGGAGAGTTCATCCCTTGA 263
Qy 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAla 104
Db 264 ATATGTGTGCCAGAGTTTACCAATGCTGCTGTTGAGGCGCTGGCAGACAGCAAGGCC 323
Qy 105 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124
Db 324 GAGGAGTGTGTCAGCTGCCAGACACAAAGGTGGCTTCTCATGATCAGAGAGTGAG 383
Qy 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
Db 384 ACCAGAAAGGGTTTACTCACTGCTGGTGA-----CACAGGCAG 425
Qy 145 IleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeu 164
Db 426 GTAAAGCATTACCGATTTCCTGCTGCCGACAACTGCTACTACATTTCCTCCGAGGCTC 485
Qy 165 ThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspCys 184
Db 486 ACCTTCAGTGTGGAGACCTGCTGAACCACTATTCTGAGTGGCTGATGGCTGTGC 545
Qy 185 CysLeuLeuGlyGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
Db 546 TGTGTGCTCACCAGCCCTGCTGCACAAAGCAGCGTGCCTCCAGCAGTGGAGGCTCC 605
Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
Db 606 AGCTCACCTGTACCTTGGCTGAGAGAGTGTGGACTGTGGAGTGTGGAGAGTGTCCAGA----- 659
Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
Db 660 ---CTGACGAGGAGCCCGGAGGAGACAGAGAACCGCTTGGGGTAGACGAGTCCCTTTTC 716
Qy 238 SerGluGlyLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGlu 254
Db 717 AGCTATGGCTTCGAGAGAGCATTGCCTTCTTACCTGTCTCCCTGACAGGTGAG 767

RESULT 11
US-10-172-118-1312
; Sequence 1312, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1312
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
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; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_006748
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-1312

Alignment Scores: 2,79e-46 Length: 2665
Pred. No.: 487,00 Matches: 101
Score: 57,20% Conservative: 46
Percent Similarity: 39,30% Mismatches: 94
Best Local Similarity: 35,99% Indels: 16
Query Match: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-172-118-1312 (1-2665)

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QY 5 ProSerArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 24 CCAGGAAAGAAAGAAAGAAATGGGAACAGCATGAATCCACCCTCGCTGCCGAGAGG 83

QY 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 84 CCCTGCCCAACCCGAGGAGCTGGATAGCGACTTCCTTCCGTGCTAAGTGACTACCGG 143

QY 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 144 TCCTCTGACATGAGCCCCCGATATCCCGCGAGGGGAGAACTGCGTGTGATTCTGTAT 203

QY 65 AspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSer 84
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 204 GAAGGGGGCTGGTGGAAAGCTATTTCTTAGCACTGGTCGAGAGAGTTACATCCCTGGA 263

QY 85 ValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSerArgGluLysAla 104
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 264 ATATGTGTGCCAGAGTTTACCATGTGCTGGCTTTGAGGGGCTGGCGAGACAGAGGCC 323

QY 105 GluGluLeuLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuArgGluSerGln 124
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 324 GAGGAGCTGCTGAGCTGCCAGACAAAGGTGCGCTCCTTCATGATCAGAGAGAGTGAG 383

QY 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 384 ACCAAGAAAGGGTTTACTCACTGTCGCTGAGA-----CACAGGCAG 425

QY 145 IleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSerProArgLeu 164
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 426 GTAAAGCATACCGCATTTTCGCTGCGCAACAACCTGTACTATTTCCCGAGGGCTC 485

QY 165 ThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAspAspIleCys 184
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 486 ACCTTCAGTGTGCTGAGGACCTGGTGAAACCACTATTCTGAGTGGCTGATGGCTGTGC 545

QY 185 CysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 546 TGTGTGCTCACCAGCCCTCGCTGCACAAACACAGCGCTGCCCGAGAGTGGGCGCTCC 605

QY 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerSerLeu 224
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 606 AGCTACCTGTGCCTTGGCTCAGAAGACTGTGGAGCTGGAGGAGAGTGTCCAGA----- 659

QY 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 660 ----CTGCAGAGGAGCCCGAGGGAACAGAGAACCCCGCTTGGGGTAGACGAGTCCCTTTC 716

QY 238 SerGluGlyLeuArgGluSerLeuSerPheTyrIleSerLeuAsnAspGlu 254
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 717 ACCTATGGCTTCGAGAGAGCATTCCTCTTACCTGTCCCTGACCAGTGAG 767

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RESULT 12

US-09-867-550-951
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.

; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: NO. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 951
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-951

Alignment Scores: 2,48e-43 Length: 444
Pred. No.: 452,50 Matches: 96
Score: 76,80% Conservative: 0
Percent Similarity: 76,80% Mismatches: 0
Best Local Similarity: 33,44% Indels: 29
Query Match: 9 Gaps: 1
DB:

US-09-939-853A-75 (1-261) x US-09-867-550-951 (1-444)

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QY 1 MetGlySerLeuProSerArgArgLysSerLeuProSerProSerLeuSerSerVal 20
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 157 ATGGGAAGTCTGCCACAGACAGAAATCTCTCCAAAGCCCAAGCTTGAGTTCTCTCTGTC 216

QY 21 GlnGlyGlnGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeu 40
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 217 CAAGCCAGGAGGACCTGTGACCATGGAGCAGAGAGCAAGCCACAGCCGTGGGCTCTG 276

QY 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 277 GGCAGTTTCCGCGAGGTGGCCGCGAGCTCTCGACTCGGGAGCCATTGACC 336

QY 61 IleValSerGluAspGlyAspTrpThrValLeuSerGluValSerGlyArgGluTyr 80
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 337 ATGCTCTCTGAG----- 348

QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 349 -----TGGCTGTATGAGGCGCTGAGC 369

QY 101 ArgGluLysAlaGluGluLeuLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 370 AGGAGAAAGCAGACGAACTGTGTGTATTACCTGGGAACCTTGGAGGGGCGCTTCTCATC 429

QY 121 ArgGluSerGlnThr 125
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 430 CGGAGAGGCCAGACC 444

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RESULT 13

US-10-342-887-762
; Sequence 762, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887

APPLICANT: Dai, Hongyue
APPLICANT: He, Yudong
APPLICANT: Linsley, Peter
APPLICANT: Mao, Mao
APPLICANT: Roberts, Chris
APPLICANT: Van 't Veer, Laura
APPLICANT: Van de Vijver, Marc
APPLICANT: Bernards, Rene
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-175-999
CURRENT APPLICATION NUMBER: US/10/172,118
CURRENT FILING DATE: 2002-06-14
PRIORITY APPLICATION NUMBER: 60/380,770
PRIORITY FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 762
LENGTH: 2298
TYPE: DNA
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: NM 002350
DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-762

Alignment Scores:
Pred. No.: 9,18e-33 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-172-118-762 (1-2298)

QY 6 SerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlnGlyPro 25
Db 409 TCCAATAAACACCAAGCCAGTCCAGAA---TCTCAGCTTTTACCTGGACAGAGTTT 465
QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAGATCCAGAGGAAACAGGAGACATTGTGTAGCTTGTATCCCTATGATGGC 525
QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGACGACTGTCTTTCAAGAAAGGAGAGAGATGAAAGTCTGGAGGAGCAT 585
QY 66 GlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GGAGATGTGTGAAGCAAGTCCCTTTTAAACAAAAAAGAGGCTTCATCCCGACCAAC 645
QY 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TATGTGGCCAACTCAACACCTTAGAAACAGAGAGTGGTTTTCAGAGGATATTAACCCAGG 705
QY 102 GluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGGACGCAAGAAAGGAGCTTTTGGCACCAGGAATAGCGCTGGAGCTTCTTATTAGA 765
QY 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAACATTAAGGAAAGCTTCTCTGTCTGTCTCAGAGACTTTGACCCCTGTGCAT 825
QY 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATGTTATTAAAGCACTACAAATTAGAAGTCTGGATAATGGGGCTATTACATCTCT 885
QY 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAsp 181
Db 886 CCACGATCACTTTTCCCTGTATCAGCGACATGATTAAACATTACCAAAAGCAGGACAT 945
QY 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGly 201
Db 946 GGCCTTGTGCAAGAGATTGGAGAGGCTTGTATT-----AGTCCCAAGCCACAG 993

CURRENT FILING DATE: 2003-01-15
PRIORITY APPLICATION NUMBER: 60/298,918
PRIORITY FILING DATE: 2001-06-18
PRIORITY APPLICATION NUMBER: 60/380,710
PRIORITY FILING DATE: 2002-05-14
PRIORITY APPLICATION NUMBER: 10/172,118
PRIORITY FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 762
LENGTH: 2298
TYPE: DNA
ORGANISM: Homo sapiens
US-10-342-887-762

Alignment Scores:
Pred. No.: 9,18e-33 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indels: 9
DB: 13 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-342-887-762 (1-2298)

QY 6 SerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlnGlyPro 25
Db 409 TCCAATAAACACCAAGCCAGTCCAGAA---TCTCAGCTTTTACCTGGACAGAGTTT 465
QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
Db 466 CAAACTAAGATCCAGAGGAAACAGGAGACATTGTGTAGCTTGTATCCCTATGATGGC 525
QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCCGACGACTGTCTTTCAAGAAAGGAGAGAGATGAAAGTCTGGAGGAGCAT 585
QY 66 GlyAspTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
Db 586 GGAGATGTGTGAAGCAAGTCCCTTTTAAACAAAAAAGAGGCTTCATCCCGACCAAC 645
QY 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
Db 646 TATGTGGCCAACTCAACACCTTAGAAACAGAGAGTGGTTTTCAGAGGATATTAACCCAGG 705
QY 102 GluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArg 121
Db 706 AAGGACGCAAGAAAGGAGCTTTTGGCACCAGGAATAGCGCTGGAGCTTCTTATTAGA 765
QY 122 GluSerGlnThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSer 141
Db 766 GAAAGTGAACATTAAGGAAAGCTTCTCTGTCTGTCTCAGAGACTTTGACCCCTGTGCAT 825
QY 142 TrpAspArgIleArgHisTyrArgIleHisCysLeuAspAsnGlyTrpLeuTyrIleSer 161
Db 826 GGTGATGTTATTAAAGCACTACAAATTAGAAGTCTGGATAATGGGGCTATTACATCTCT 885
QY 162 ProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisTyrSerGluLeuAlaAsp 181
Db 886 CCACGATCACTTTTCCCTGTATCAGCGACATGATTAAACATTACCAAAAGCAGGACAT 945
QY 182 AspIleCysCysLeuLeuLysGluProCysValLeuGlnArgAlaGlyProLeuProGly 201
Db 946 GGCCTTGTGCAAGAGATTGGAGAGGCTTGTATT-----AGTCCCAAGCCACAG 993

202 Lys 202
994 AAG 996

RESULT 14
US-10-172-118-762
Sequence 762, Application US/10172118
Publication No. US20030224374A1
GENERAL INFORMATION:

QY 202 Lys 202
 Db 994 AAG 996

RESULT 15

US-10-175-523-50
 ; Sequence 50, Application US/10175523
 ; Publication No. US20030096264A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Brockman, Jeffrey
 ; APPLICANT: Evans, David
 ; APPLICANT: Hook, Derek
 ; APPLICANT: Klimczak, Leszek
 ; APPLICANT: Leeng, Pascal
 ; APPLICANT: Palfreyman, Michael
 ; APPLICANT: Rajan, Pzithi
 ; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
 ; FILE REFERENCE: 3235/1J795-US3
 ; CURRENT APPLICATION NUMBER: US/10/175,523
 ; CURRENT FILING DATE: 2002-06-18
 ; PRIOR APPLICATION NUMBER: US 60/299,151
 ; PRIOR FILING DATE: 2001-06-18
 ; PRIOR APPLICATION NUMBER: US 60/317,828
 ; PRIOR FILING DATE: 2001-09-07
 ; PRIOR APPLICATION NUMBER: US 60/325,150
 ; PRIOR FILING DATE: 2001-09-25
 ; PRIOR APPLICATION NUMBER: US 60/333,047
 ; PRIOR FILING DATE: 2001-11-14
 ; PRIOR APPLICATION NUMBER: US 60/349,936
 ; PRIOR FILING DATE: 2002-01-18
 ; PRIOR APPLICATION NUMBER: US 60/361,834
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 197
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 50
 ; LENGTH: 2298
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-175-523-50

Alignment Scores:

Pred. No.:	9.18e-33	Length:	2298
Score:	370.50	Matches:	80
Percent Similarity:	57.71%	Conservative:	36
Best Local Similarity:	39.80%	Mismatches:	76
Query Match:	27.38%	Indels:	9
DB:	15	Gaps:	3

US-09-939-853A-75 (1-261) x US-10-175-523-50 (1-2298)

QY 6 SerArgLysSerLeuProSerLeuSerSerValGlnGlyGlnGlyPro 25
 Db 409 TCCAAATAAACAGCAAGGCCAGTCCAGAA---TCTCAGCTTTTACCTGGACAGAGGTTT 465
 QY 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPheProAla 45
 Db 466 CAAACTAAAGATCCAGAGGACCAAGAGACATGTGTGGTAGCTTTGTACCCCTATGATGGC 525
 QY 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
 Db 526 ATCCACCCGGACGACTTGTCTTCAAGAAAGAGAGAGATGAAAGTCTCTGGAGAGCAT 585
 QY 66 GlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluTyrAsnIleProSerVal 85
 Db 586 GGAGAAATGGTGAAAGCAAGTCCCTTTTAAACAAAAAGAGGCTTTCATCCCGCAAC 645
 QY 86 HisValGlyLysVal-----SerHisGlyTrpLeuTyrGluGlyLeuSerArg 101
 Db 646 TATGTGGCCAACTCAACACCTTAGAACAGAGTGTGTTTTCAGGATATAACCCAGG 705
 QY 102 GluLysAlaGluLeuLeuLeuProGlyAsnProGlyAlaPheLeuLeuArg 121
 Db 102 GluLysAlaGluLeuLeuLeuProGlyAsnProGlyAlaPheLeuLeuArg 121

Search completed: July 25, 2004, 05:10:05
 Job time : 491 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 2.81375 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-140

Sequence: 1 ctggacaggttaggcttgg 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	15.2	76.0	1535	4	US-09-071-035-431
4	15.2	76.0	1803	4	US-09-071-035-429
5	15.2	76.0	2481	4	US-09-134-000C-3193
6	15.2	76.0	2611	4	US-09-620-312D-925
7	15.2	76.0	3614	4	US-09-221-013A-9
8	15.2	76.0	48974	3	US-08-920-422-17
9	14.8	74.0	514	4	US-09-621-976-14354
10	14.8	74.0	2068	2	US-08-466-589-1
11	14.8	74.0	2068	2	US-08-700-636-1
12	14.8	74.0	2068	3	US-08-467-574-1
13	14.8	74.0	2068	4	US-09-217-345-1
14	14.8	74.0	2068	4	US-09-892-985-1
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17	14.8	74.0	2352	2	US-08-889-909A-21
18	14.8	74.0	2352	4	US-09-156-163A-21
19	14.8	74.0	2352	4	US-09-982-308B-21
20	14.8	74.0	2430	1	US-08-062-368-1
21	14.8	74.0	2664	4	US-08-660-451A-1
22	14.8	74.0	6268	4	US-09-566-921-57
23	14.8	74.0	18994	1	US-08-459-586-4
24	14.8	74.0	18994	2	US-08-282-696-4
25	14.4	72.0	34063	4	US-09-453-702B-96
26	14.4	72.0	36519	3	US-08-923-137-2
27	14.2	71.0	998	4	US-09-671-317-191

28 14.2 71.0 1229 4 US-09-404-641-80
29 14.2 71.0 1298 4 US-09-404-641-69
30 14.2 71.0 1398 4 US-09-328-352-2591
31 14.2 71.0 1572 4 US-09-620-312D-886
32 14.2 71.0 1735 4 US-09-404-641-84
33 14.2 71.0 1773 4 US-09-134-000C-1350
34 14.2 71.0 1799 4 US-09-732-234-5
35 14.2 71.0 1799 4 US-09-784-859-5
36 14.2 71.0 3588 4 US-09-620-312D-863
37 14.2 71.0 41171 4 US-08-311-731A-122
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40 14 70.0 1326 4 US-09-328-352-3788
41 13.8 69.0 159 3 US-08-651-136C-47
42 13.8 69.0 159 4 US-08-229-911A-47
43 13.8 69.0 180 3 US-08-651-136C-69
44 13.8 69.0 180 4 US-09-229-911A-69
45 13.8 69.0 291 4 US-09-621-976-17092

ALIGNMENTS

RESULT 1

US-09-816-095-3

; Sequence 3, Application US/09816095

; Patent No. 6664084

; GENERAL INFORMATION:

; APPLICANT: GAN, Weinui

; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES

; FILE REFERENCE: CLO01147

; CURRENT APPLICATION NUMBER: US/09/816.095

; CURRENT FILING DATE: 2001-03-26

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 99916

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(99916)

; OTHER INFORMATION: n = A,T,C or G

US-09-816-095-3

Query Match 79.0%; Score 15.8; DB 4; Length 99916;
Best Local Similarity 89.5%; Pred. No. 36;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TGGACAGGTTAGGCTTTG 20

||||| ||||| ||||| |||||

Db 5532 TGGACAGATTAGGCTTTG 5550

RESULT 2

US-09-489-039A-4299/c

; Sequence 4299, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709.2004001

; CURRENT APPLICATION NUMBER: US/09/489,039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 4299

; LENGTH: 303

; TYPE: DNA

```

; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4299

Query Match          76.0%; Score 15.2; DB 4; Length 303;
Best Local Similarity 85.0%; Pred. No. 69;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTTAGGCTTTG 20
Db 250 CTGCACAGGTCAGAGCTTTG 231

RESULT 3
US-09-071-035-431
; Sequence 431, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 431:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1515 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-09-071-035-431

Query Match          76.0%; Score 15.2; DB 4; Length 1515;
Best Local Similarity 85.0%; Pred. No. 89;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTTAGGCTTTG 20
Db 430 CTGGACAGGTCGGGCTTTG 449

RESULT 4
US-09-071-035-429
; Sequence 429, Application US/09071035
; Patent No. 6448043
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 431:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1515 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-09-071-035-431

Query Match          76.0%; Score 15.2; DB 4; Length 2481;
Best Local Similarity 85.0%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTTAGGCTTTG 20
Db 687 CTGCACAGGTCGGGCTTTG 706

RESULT 6
US-09-620-312D-925
```

```

; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: A. Anders Brookes
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB369P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 429:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1803 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-09-071-035-429

Query Match          76.0%; Score 15.2; DB 4; Length 1803;
Best Local Similarity 85.0%; Pred. No. 92;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTTAGGCTTTG 20
Db 690 CTGCACAGGTCGGGCTTTG 709

RESULT 5
US-09-134-000C-3193
; Sequence 3193, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 3193
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; US-09-134-000C-3193

Query Match          76.0%; Score 15.2; DB 4; Length 2481;
Best Local Similarity 85.0%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTTAGGCTTTG 20
Db 687 CTGCACAGGTCGGGCTTTG 706

RESULT 6
US-09-620-312D-925
```

```
; Sequence 925, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Felyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aigong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunging
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 925
; LENGTH: 2611
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (290)..(1885)
US-09-620-312D-925

Query Match 76.0%; Score 15.2; DB 4; Length 2611;
Best Local Similarity 85.0%; Pred. No. 98;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGGCTTTG 20
Db 789 CTGAACAGATTAGGCTTTG 808

RESULT 7
US-09-221-013A-9/c
; Sequence 9, Application US/09221013A
; Patent No. 6495740
; GENERAL INFORMATION:
; APPLICANT: Arioli, Antonio
; APPLICANT: Williamson, Richard E.
; APPLICANT: Betzner, Andreas S.
; APPLICANT: Peng, Liangcai
; TITLE OF INVENTION: Manipulation of cellulose and/or Beta-1,4-glucan
; FILE REFERENCE: 96-98
; CURRENT APPLICATION NUMBER: US/09/221,013A
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: PCT/AU97/00402
; PRIOR FILING DATE: 1997-06-24
; PRIOR APPLICATION NUMBER: AU P00699
; PRIOR FILING DATE: 1996-06-27
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 3614
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:

; NAME/KEY: CDS
; LOCATION: (217)..(3411)
US-09-221-013A-9

Query Match 76.0%; Score 15.2; DB 4; Length 3614;
Best Local Similarity 85.0%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGGCTTTG 20
Db 1600 CAGGACATTTAGGGCTTTG 1581

RESULT 8
US-08-920-422-17/c
; Sequence 17, Application US/08920422A
; Patent No. 6255473
; GENERAL INFORMATION:
; APPLICANT: Vitek, Michael P.
; APPLICANT: Mitsuda, No. 6255473iaki
; APPLICANT: Roses, Allen D.
; TITLE OF INVENTION: Presenilin-1 Gene Promoter
; FILE REFERENCE: VITEKPRESENILIN
; CURRENT APPLICATION NUMBER: US/08/920,422A
; CURRENT FILING DATE: 1997-08-29
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 48974
; TYPE: DNA
; ORGANISM: Mus musculus
US-08-920-422-17

Query Match 76.0%; Score 15.2; DB 3; Length 48974;
Best Local Similarity 85.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGGACAGGTTAGGGCTTTG 20
Db 33769 CTGGCCAGGATAGGGCTGTG 33750

RESULT 9
US-09-621-976-14354/c
; Sequence 14354, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 14354
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 254
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-14354

Query Match 74.0%; Score 14.8; DB 4; Length 514;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
Db 311 GGACAGGTTAGGGCTTTG 294
```

```

RESULT 10
US-08-466-589-1/c
; Sequence 1, Application US/08466589
; Patent No. 5837489
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClaim
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,589
; FILING DATE: June 5, 1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: March 8, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9950
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
; US-08-466-589-1

Query Match 74.0%; Score 14.8; DB 2; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
DB 144 GGTCAAGTCAGGGCTTTG 127

RESULT 11
US-08-700-636-1/c
; Sequence 1, Application US/08700636
; Patent No. 5910582
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/700,636
; FILING DATE: 16-JUL-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: 08-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9368
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-9392
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
; US-08-700-636-1

Query Match 74.0%; Score 14.8; DB 2; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
DB 144 GGTCAAGTCAGGGCTTTG 127

RESULT 12
US-08-467-574-1/c
; Sequence 1, Application US/08467574
; Patent No. 6022704
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClaim
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,574
; FILING DATE: June 5, 1995
; CLASSIFICATION: 536

```



```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: March 8, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9949
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
;
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
;
;
; Query Match 74.0%; Score 14.8; DB 3; Length 2068;
; Best Local Similarity 88.9%; Pred. No. 1.5e+02;
; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
;
; QY 3 GGACAGGTTAGGCGCTTTG 20
; |||||
; Db 144 GGTCAGGTCAGGCGCTTTG 127
;
;
; RESULT 13
; US-09-217-345-1/c
; Sequence 1, Application US/09217345
; Patent No. 6303753
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/217,345
; FILING DATE: 21-DEC-98
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/467,574
; FILING DATE: 05-JUN-95
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/466,589,
; FILING DATE: 05-JUN-95
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9949B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-450-8400
;
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA

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; TELEFAX: 619-587-5360
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 166..1752
;
;
; Query Match 74.0%; Score 14.8; DB 4; Length 2068;
; Best Local Similarity 88.9%; Pred. No. 1.5e+02;
; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
;
; QY 3 GGACAGGTTAGGCGCTTTG 20
; |||||
; Db 144 GGTCAGGTCAGGCGCTTTG 127
;
;
; RESULT 14
; US-09-892-985-1/c
; Sequence 1, Application US/09892985
; Patent No. 6664375
; GENERAL INFORMATION:
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Harpold, Michael M.
; TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
; RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/892,985
; FILING DATE: 27-Jun-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/217,345
; FILING DATE: 21-DEC-98
; APPLICATION NUMBER: US 08/467,574
; FILING DATE: 05-JUN-95
; APPLICATION NUMBER: US 08/466,589,
; FILING DATE: 05-JUN-95
; APPLICATION NUMBER: US 08/028,031
; FILING DATE: 08-MAR-93
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 24735-9949B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-450-8400
; TELEFAX: 619-587-5360
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2068 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA

```

FEATURE:
NAME/KEY: CDS
LOCATION: 166..1752
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-892-985-1

Search completed: July 24, 2004, 23:36:02
Job time : 4.81375 secs

Query Match 74.0%; Score 14.8; DB 4; Length 2068;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

RESULT 15
US-08-496-855A-1/c
Sequence 1, Application US/08496855A
Patent No. 5801232
GENERAL INFORMATION:
APPLICANT: Elliot, Kathryn J.
APPLICANT: Ellis, Steven B.
APPLICANT: Harpold, Michael M.
TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
TITLE OF INVENTION: RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/496,855A
FILING DATE: 20-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,503
FILING DATE: 08-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/028,031
FILING DATE: 08-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9369B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 166..1755
US-08-496-855A-1

Query Match 74.0%; Score 14.8; DB 1; Length 2277;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GGACAGGTTAGGGCTTTG 20
Db 144 GGTCAAGTCAGGGCTTTG 127

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 20:04:06 ; Search time 16.227 Seconds
(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-140

Perfect score: 20

Sequence: 1 ctggacaggttaggctttg 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters: 6432934

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA.*

- 1: /cgn2_6/ptodata/1/pubnpa/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubnpa/ECT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubnpa/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubnpa/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubnpa/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubnpa/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubnpa/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubnpa/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubnpa/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubnpa/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubnpa/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubnpa/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubnpa/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubnpa/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubnpa/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubnpa/US10C_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/1/pubnpa/US10C_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/1/pubnpa/US10C_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/1/pubnpa/US10C_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	20	13	US-09-939-853A-140
C 2	20	100.0	444	9	US-09-867-550-951
C 3	20	100.0	763	9	US-09-867-550-953
C 4	20	100.0	854	10	US-09-814-353-21302
C 5	20	100.0	1183	13	US-09-939-853A-74
6	20	100.0	1183	13	US-09-939-853A-76
7	17.4	87.0	442	13	US-10-085-783A-25371
8	17.4	87.0	442	16	US-10-242-535A-25371
9	16.8	84.0	665	13	US-10-027-632-133814
10	16.8	84.0	665	16	US-10-027-632-133814
C 11	16.8	84.0	2305	16	US-10-094-749-795
C 12	16.8	84.0	2424	13	US-10-027-632-103042
C 13	16.8	84.0	2424	13	US-10-027-632-103043
C 14	16.8	84.0	2424	16	US-10-027-632-103042

C 15	16.8	84.0	2424	16	US-10-027-632-103043
C 16	16.8	84.0	3559	16	US-10-108-260A-502
C 17	16.8	84.0	44325	12	US-09-997-723-226
C 18	15.8	79.0	403	10	US-09-918-995-35904
19	15.8	79.0	467	10	US-09-918-995-37228
20	15.8	79.0	570	13	US-10-027-632-137211
21	15.8	79.0	570	16	US-10-027-632-137211
22	15.8	79.0	663	13	US-10-027-632-208024
23	15.8	79.0	663	16	US-10-027-632-208024
24	15.8	79.0	1152	10	US-09-882-227-295
25	15.8	79.0	1177	13	US-10-425-114-23026
26	15.8	79.0	1744	13	US-10-424-599-121358
27	15.8	79.0	1824	13	US-10-424-599-73670
28	15.8	79.0	4170	10	US-09-919-039-221
29	15.8	79.0	4170	15	US-10-168-425-23
30	15.8	79.0	4359	16	US-10-191-803-341
31	15.8	79.0	24023	14	US-10-094-679-1
32	15.8	79.0	99916	9	US-09-816-085-3
33	15.8	79.0	99916	13	US-10-634-905-3
C 34	15.4	77.0	358	17	US-10-437-963-28060
C 35	15.4	77.0	673	9	US-09-917-800A-1299
36	15.4	77.0	761	13	US-10-027-632-144930
37	15.4	77.0	761	16	US-10-027-632-144930
38	15.4	77.0	786	13	US-10-027-632-169995
39	15.4	77.0	786	13	US-10-027-632-169996
40	15.4	77.0	786	16	US-10-027-632-169996
41	15.4	77.0	786	16	US-10-027-632-169996
C 42	15.4	77.0	978	13	US-10-027-632-121171
C 43	15.4	77.0	978	13	US-10-027-632-121171
C 44	15.4	77.0	978	16	US-10-027-632-121171
C 45	15.4	77.0	978	16	US-10-027-632-121172

ALIGNMENTS

RESULT 1

US-09-939-853A-140
; Sequence 140, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 140
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-140

Query Match 100.0%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGACACAGGTAGGCTTTG 20

Db 1 CTGACACAGGTAGGCTTTG 20

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RESULT 2
US-09-867-550-951/c
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 951
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-951

Query Match      100.0%; Score 20; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
Db 60 CTGCACAGGTTAGGGCTTTG 41

RESULT 3
US-09-867-550-953/c
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Query Match      100.0%; Score 20; DB 9; Length 763;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
Db 189 CTGCACAGGTTAGGGCTTTG 170

RESULT 4
US-09-814-353-21302/c
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
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; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: M81-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21302

Query Match      100.0%; Score 20; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGTTAGGGCTTTG 20
Db 353 CTGCACAGGTTAGGGCTTTG 334

RESULT 5
US-09-939-853A-74/c
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Query Match      100.0%; Score 20; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 CTGGACAGGTTAGGGCTTTG 20
DB      301 CTGGACAGGTTAGGGCTTTG 282

; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-25371

Query Match      87.0%; Score 17.4; DB 13; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 6
US-09-939-853A-76
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

Query Match      100.0%; Score 20; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTG 20
DB      883 CTGGACAGGTTAGGGCTTTG 902

RESULT 7
US-10-085-783A-25371
; Sequence 25371, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25371
; LENGTH: 422
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(5)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)..(7)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-25371

Query Match      87.0%; Score 17.4; DB 16; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 9
US-10-027-632-133814
; Sequence 133814, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
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; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-25371

Query Match      87.0%; Score 17.4; DB 13; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 8
US-10-242-535A-25371
; Sequence 25371, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 25371
; LENGTH: 422
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (5)..(5)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7)..(7)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (406)..(406)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-25371

Query Match      87.0%; Score 17.4; DB 16; Length 422;
Best Local Similarity 94.7%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 CTGGACAGGTTAGGGCTTTT 19
DB      61 CTGGAGAGGTTAGGGCTTT 79

RESULT 9
US-10-027-632-133814
; Sequence 133814, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 133814
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-133814

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Query Match      84.0%; Score 16.8; DB 13; Length 665;
Best Local Similarity 90.0%; Pred. No. 73;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy 1 CTGGACAGGTTAGGGCTTTG 20
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Db 344 CTGGACAGGATAGGGCTGTG 363
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RESULT 10

US-10-027-632-133814
; Sequence 133814, Application US/10027632
; Publication No. US20030204075A9

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; PUBLICATION NO.: 88200302849JMS
;
; GENERAL INFORMATION:
;
; APPLICANT: Wang, David G.
;
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
;
; TITLE OF INVENTION: Polymorphisms in the Human Genome
;

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Query Match 84.0%; Score 16.8;
Best Local Similarity 90.0%; Pred. No. 73;
Matches 18: Conservative 0; Mismatches

Qy 1 CTGGACAGGTTAGGGCTTTG 20
Dy 344 CTGGACAGGATAGGGCTGTG 363

RESULT 11

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US-10-094-749-795/c
; Sequence 795, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOMYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 064335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 795
; LENGTH: 2305
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-795

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Query Match      84.0%; Score 16.8; DB 16; Length 2305;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18: Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy 1 CTGGACAGTTAGGGCTTG 20
|||
2118 CTGGACAGTTAGGGCTTG 2099
pb

RESULT 12

US-10-027-632-103042/c
; Sequence 103042, Application US/10027632
; Publication No. US20020198371A1

```

; PUBLICATION NO: 0820002923057494
;
; GENERAL INFORMATION:
;
; APPLICANT: Wang, David G.
;
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;
; TITLE OF INVENTION: Polymorphisms in the Human Genome
;

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Query Match	84.0%;	Score 16.8;	DB 16;	Length 665;
Best Local Similarity	90.0%;	Pred. No. 73;		
Matches 18: Conservative	0;	Mismatches	2;	Indels 0;
Gaps	0;			

Qy 1 CTGGACAGGTTAGGGCTTTG 20
Dy 344 CTGGACAGGATAGGGCTGTG 363

RESULT 11

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103042
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103042

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTAGGGCTGTG 1434

RESULT 13
US-10-027-632-103043/c
; Sequence 103043, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTAGGGCTGTG 1434

RESULT 14
US-10-027-632-103042/c
; Sequence 103042, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTAGGGCTGTG 1434

RESULT 15
US-10-027-632-103043/c
; Sequence 103043, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match      84.0%; Score 16.8; DB 16; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 CTGCACAGTTAGGGCTTTG 20
Db      1453 CTGCACAGTTAGGGCTGTG 1434

Search completed: July 25, 2004, 02:23:14
Job time : 18.227 secs
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 3.65787 seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-141

Perfect score: 26
Sequence: 1 cctctggaagtctgccagtgctctt 26

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
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2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/prodata/2/ina/6A_COMB.seq: *
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5: /cgn2_6/prodata/2/ina/PTUS_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.8	72.3	423	2	US-08-797-689-11
2	18.8	72.3	423	4	US-09-984-186-11
3	18.8	72.3	600	4	US-09-101-272G-72
4	18.8	72.3	624	4	US-09-101-272G-79
5	18.8	72.3	645	4	US-09-101-272G-95
6	18.8	72.3	666	4	US-09-101-272G-97
7	18.8	72.3	1233	1	US-08-254-922-1
8	18.8	72.3	1233	1	US-08-286-748B-1
9	18.8	72.3	1236	1	US-07-957-039A-7
10	18.8	72.3	1236	1	US-08-153-799-17
11	18.8	72.3	1236	4	US-09-023-655-927
12	18.8	72.3	1372	6	5219569-1
13	18.8	72.3	1475	4	US-09-643-597-122
14	18.8	72.3	1475	4	US-08-480-884A-122
15	18.8	72.3	1475	4	US-09-542-615A-122
16	18.8	72.3	1475	4	US-09-606-421B-122
17	18.8	72.3	1475	4	US-09-221-107-122
18	18.8	72.3	2294	4	US-09-643-597-123
19	18.8	72.3	2294	4	US-09-480-884A-123
20	18.8	72.3	2294	4	US-09-542-615A-123
21	18.8	72.3	2294	4	US-09-606-421B-123
22	18.8	72.3	2294	4	US-09-023-655-1217
23	18.8	72.3	2294	4	US-09-221-107-123
24	18.8	72.3	2301	6	5188829-2
25	17.8	68.5	9391	4	US-09-562-702A-11
26	17.8	68.5	9511	4	US-09-562-702A-9
27	17.6	67.7	273	4	US-09-313-294A-38

c	28	17.6	67.7	908	4	US-09-800-729-25	Sequence 25, Appl
	29	17.2	66.2	1335	1	US-07-942-157A-2	Sequence 2, Appl1
	30	17	65.4	274	4	US-09-313-294A-3335	Sequence 3335, Ap
	31	17	65.4	449	4	US-09-621-976-14601	Sequence 14601, A
	32	17	65.4	501	4	US-09-621-976-1584	Sequence 1584, Ap
	33	17	65.4	1001	4	US-09-641-638-285	Sequence 285, App
	34	17	65.4	3364	2	US-08-735-609-9	Sequence 9, Appl1
	35	17	65.4	3364	2	US-08-735-609-9	Sequence 9, Appl1
	36	17	65.4	3364	3	US-09-315-372-9	Sequence 9, Appl1
	37	17	65.4	3364	3	US-09-244-752-9	Sequence 9, Appl1
	38	17	65.4	3364	3	US-09-245-497-9	Sequence 9, Appl1
	39	17	65.4	3364	4	US-09-562-919-9	Sequence 9, Appl1
	40	17	65.4	8147	4	US-08-514-247A-9	Sequence 9, Appl1
	41	16.6	63.8	2157	1	US-08-336-618-25	Sequence 25, Appl
	42	16.6	63.8	2200	2	US-08-462-481-3	Sequence 3, Appl1
	43	16.6	63.8	2200	2	US-08-436-771-5	Sequence 5, Appl1
	44	16.6	63.8	2200	2	US-08-434-998-5	Sequence 5, Appl1
	45	16.6	63.8	2200	2	US-08-487-797-5	Sequence 5, Appl1

ALIGNMENTS

RESULT 1
US-08-797-689-11
; Sequence 11, Application US/08797689
; Patent No. 5878369
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; APPLICANT: Fournier, Alain
; APPLICANT: Guilton, Jean-Dominique
; APPLICANT: Jung, Gerard
; APPLICANT: Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES.
; TITLE OF INVENTION: PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; TITLE OF INVENTION: CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (patentin)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/256,927
; FILING DATE: 28-JUL-1994
; APPLICATION NUMBER: FR 92/01064
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith P.D., Julie K.
; REGISTRATION NUMBER: P-38,619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..419
US-08-797-689-11

Query Match          72.3%; Score 18.8; DB 2; Length 423;
Best Local Similarity 90.9%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
    |||||
Db 230 CTGGAAGTCTGCCAGTGTCTCTT 251

RESULT 2
US-09-984-186-11
; Sequence 11, Application US/09984186
; Patent No. 6686179
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; Fournier, Alain
; Guitton, Jean-Dominique
; Jung, Gerard
; Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
; PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (PatentIn)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/984,186
; FILING DATE: 29-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; APPLICATION NUMBER: US 08/256,927
; FILING DATE: 28-JUL-1994
; APPLICATION NUMBER: FR 92/01064
; FILING DATE: 31-JAN-1992
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: P-38,619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..419
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
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US-09-984-186-11

Query Match          72.3%; Score 18.8; DB 4; Length 423;
Best Local Similarity 90.9%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
    |||||
Db 230 CTGGAAGTCTGCCAGTGTCTCTT 251

RESULT 3
US-09-101-272G-72
; Sequence 72, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: ATF domain of uPA
; NAME/KEY: CDS
; LOCATION: (1)..(600)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: (61)..()
; OTHER INFORMATION:
US-09-101-272G-72

Query Match          72.3%; Score 18.8; DB 4; Length 600;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTCTT 26
    |||||
Db 279 CTGGAAGTCTGCCAGTGTCTCTT 300

RESULT 4
US-09-101-272G-79
; Sequence 79, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 624
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATFHI chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(593)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
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; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-95

Query Match          72.3%; Score 18.8; DB 4; Length 624;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
   ||||| ||||| ||||| ||||| |||||
Db 233 CTGGAAGTCTGCCAGTGTCTT 254

RESULT 5
US-09-101-272G-95
; Sequence 95, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 95
; LENGTH: 645
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATPHI-CL chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(614)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-95

Query Match          72.3%; Score 18.8; DB 4; Length 645;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
   ||||| ||||| ||||| ||||| |||||
Db 233 CTGGAAGTCTGCCAGTGTCTT 254

RESULT 6
US-09-101-272G-97
; Sequence 97, Application US/09101272G
; Patent No. 6509445
; GENERAL INFORMATION:
; APPLICANT: Nissin Food Products Co., Ltd.
; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
; FILE REFERENCE: Q50979
; CURRENT APPLICATION NUMBER: US/09/101,272G
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: JP 1059/1996
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 97
; LENGTH: 666
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ATPHI-ML chimeric protein
; NAME/KEY: CDS
; LOCATION: (12)..(635)
; OTHER INFORMATION:

; NAME/KEY: mat_peptide
; LOCATION: (15)..()
; OTHER INFORMATION:
US-09-101-272G-97

Query Match          72.3%; Score 18.8; DB 4; Length 666;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
   ||||| ||||| ||||| ||||| |||||
Db 233 CTGGAAGTCTGCCAGTGTCTT 254

RESULT 7
US-08-254-922-1
; Sequence 1, Application US/08254922
; Patent No. 5626841
; GENERAL INFORMATION:
; APPLICANT: Victor Gurewich
; TITLE OF INVENTION: USE OF INTRA-PLATELET
; TITLE OF INVENTION: UROKINASE-TYPE PLASMINOGEN
; TITLE OF INVENTION: ACTIVATORS FOR LONG-TERM
; TITLE OF INVENTION: INHIBITION OF THROMBOSIS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/254,922
; FILING DATE: June 7, 1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/014,207
; FILING DATE: February 5, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: J. Peter Fasse
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 04353/004002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1233
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-254-922-1

Query Match          72.3%; Score 18.8; DB 1; Length 1233;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
   ||||| ||||| ||||| ||||| |||||
Db 219 CTGGAAGTCTGCCAGTGTCTT 240

RESULT 8
US-08-286-748B-1
; Sequence 1, Application US/08286748B
; Patent No. 5759542
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GENERAL INFORMATION:
APPLICANT: Victor Gurewicz
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DELIVERY OF DRUGS BY PLATELETS FOR THE TREATMENT OF CARDIOVASCULAR AND OTHER DISEASES
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,748B
FILING DATE: August 5, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: J. Peter Fasse
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04547/013001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1233
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-286-748B-1

Query Match 72.3%; Score 18.8; DB 1; Length 1233;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTCTCTT 26
||||| ||||| ||||| ||||| |||||
DB 219 CTGGAAGTCTGCCAGTCTCTT 240

RESULT 9
US-07-957-039A-7
Sequence 7, Application US/07957039A
Patent No. 5389538
GENERAL INFORMATION:
APPLICANT: TANABE, TOSHIZUMI
APPLICANT: MORITA, KASANORI
APPLICANT: HIROSE, YASUO
TITLE OF INVENTION: MUTANT HUMAN PROUROKINASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zimm, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/957,039A
FILING DATE: 06-OCT-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 289257/1991
FILING DATE: 07-OCT-1991
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1236 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE: human
INDIVIDUAL ISOLATE:
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1233
US-07-957-039A-7

Query Match 72.3%; Score 18.8; DB 1; Length 1236;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTCTCTT 26
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DB 219 CTGGAAGTCTGCCAGTCTCTT 240

RESULT 10
US-08-153-799-17
Sequence 17, Application US/08153799
Patent No. 5766883
GENERAL INFORMATION:
APPLICANT: Ballance, David J
APPLICANT: Goodey, Andrew R
TITLE OF INVENTION: Polypeptides
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: R Hain Swope, BOC Health Care Inc
STREET: 100 Mountain Avenue
CITY: Murray Hill
STATE: New Jersey
COUNTRY: USA
ZIP: 07974
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,799
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/847975
FILING DATE: 06-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 8909916.2
FILING DATE: 29-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB90/00650
FILING DATE: 26-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/775952
FILING DATE: 29-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Swope, R Hain

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; REGISTRATION NUMBER: 24864
; REFERENCE/DOCKET NUMBER: 92H832
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 665 2400
; TELEFAX: (908) 771 6159
; TELEX: 219484
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1236 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1236
; OTHER INFORMATION: /function= "human mature
; OTHER INFORMATION: urokinase-type plasminogen activator (uPA)"
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 13..47
; OTHER INFORMATION: /standard_name= "PCR primer binding
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 376..418
; OTHER INFORMATION: /standard_name= "PCR primer binding
; OTHER INFORMATION: site"
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; US-08-153-799-17
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; Query Match 72.3%; Score 18.8; DB 1; Length 1236;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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; Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
; Db 219 CTGGAAGTCTGCCAGTGTCTT 240
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; RESULT 11
; US-09-023-655-927
; Sequence 927, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
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; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 927:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1236 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1311467
; US-09-023-655-927
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; Query Match 72.3%; Score 18.8; DB 4; Length 1236;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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; Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
; Db 219 CTGGAAGTCTGCCAGTGTCTT 240
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; RESULT 12
; 5219569-1
; Patent No. 5219569
; APPLICANT: SLABER, MICHAEL; HEYNEKER, HERBERT L.; VEHAR,
; GORDON A.
; TITLE OF INVENTION: PROTEASE RESISTANT UROKINASE
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/766,858
; FILING DATE: 16-AUG-1985
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 725,468
; FILING DATE: 22-APR-1985
; SEQ ID NO: 1
; LENGTH: 1372
; 5219569-1
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; Query Match 72.3%; Score 18.8; DB 6; Length 1372;
; Best Local Similarity 90.9%; Pred. No. 14;
; Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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; Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
; Db 355 CTGGAAGTCTGCCAGTGTCTT 376
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; RESULT 13
; US-09-643-597-122
; Sequence 122, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Far, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455c11
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; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 1475
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 359 CTGGAAGTCTGCCAGTGTCTT 380

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US-09-480-884A-122
; Sequence 122, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Panger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 359 CTGGAAGTCTGCCAGTGTCTT 380

RESULT 15
US-09-542-615A-122
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; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Panger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
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; TYPE: DNA
; ORGANISM: Homo sapien

US-09-542-615A-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGTCTT 26
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Db 359 CTGGAAGTCTGCCAGTGTCTT 380

Search completed: July 24, 2004, 23:36:03
Job time : 4.65787 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 20:04:06 ; Search time 21.0951 Seconds
(without alignments)
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Title: US-09-939-853A-141

Perfect score: 26

Sequence: 1 ccttctggaagtcgccagtgctcctt 26

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3216467 seqs, 2444149694 residues

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Post-Processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	26	100.0	444	9	Sequence 141, App
C 3	26	100.0	763	9	Sequence 951, App
C 4	26	100.0	864	10	Sequence 953, App
C 5	26	100.0	1183	13	Sequence 21302, A
6	26	100.0	1183	13	Sequence 74, Appl
7	20.4	78.5	611	13	Sequence 76, Appl
8	20.4	78.5	611	16	Sequence 195852, A
C 9	20.2	77.7	2826	17	Sequence 195852, A
10	18.8	72.3	258	13	Sequence 60613, A
11	18.8	72.3	258	13	Sequence 2, Appl
12	18.8	72.3	258	13	Sequence 6, Appl
13	18.8	72.3	258	13	Sequence 8, Appl
14	18.8	72.3	258	16	Sequence 2, Appl

15	18.8	72.3	258	16	US-10-233-675A-8	Sequence 8, Appl
16	18.8	72.3	258	16	US-10-233-675A-23	Sequence 23, Appl
17	18.8	72.3	258	16	US-10-233-675A-26	Sequence 26, Appl
18	18.8	72.3	264	9	US-09-880-503-10	Sequence 10, Appl
19	18.8	72.3	288	9	US-09-880-503-18	Sequence 18, Appl
20	18.8	72.3	405	9	US-09-880-503-13	Sequence 13, Appl
21	18.8	72.3	423	9	US-09-984-186-11	Sequence 11, Appl
22	18.8	72.3	423	15	US-10-237-667-11	Sequence 11, Appl
23	18.8	72.3	423	15	US-10-237-708-11	Sequence 11, Appl
24	18.8	72.3	423	15	US-10-237-866-11	Sequence 11, Appl
25	18.8	72.3	423	15	US-10-237-871-11	Sequence 11, Appl
26	18.8	72.3	423	15	US-10-237-624-11	Sequence 11, Appl
27	18.8	72.3	423	17	US-10-702-536-11	Sequence 11, Appl
28	18.8	72.3	423	17	US-10-702-636-11	Sequence 11, Appl
29	18.8	72.3	423	9	US-09-880-503-17	Sequence 17, Appl
30	18.8	72.3	482	9	US-09-917-800A-581	Sequence 581, App
31	18.8	72.3	1212	9	US-09-880-503-15	Sequence 15, Appl
32	18.8	72.3	1236	9	US-09-880-503-12	Sequence 12, Appl
33	18.8	72.3	1236	16	US-10-407-821-1	Sequence 1, Appl
34	18.8	72.3	1236	17	US-10-641-643-927	Sequence 927, App
35	18.8	72.3	1239	17	US-10-372-966-3	Sequence 3, Appl
36	18.8	72.3	1296	14	US-10-076-421-1	Sequence 1, Appl
37	18.8	72.3	1296	17	US-10-372-966-1	Sequence 1, Appl
38	18.8	72.3	1305	17	US-10-372-966-2	Sequence 2, Appl
39	18.8	72.3	1359	17	US-10-432-989-3	Sequence 3, Appl
40	18.8	72.3	1475	9	US-09-735-705-122	Sequence 122, App
41	18.8	72.3	1475	9	US-09-850-716A-122	Sequence 122, App
42	18.8	72.3	1475	9	US-09-897-778-122	Sequence 122, App
43	18.8	72.3	1475	10	US-09-466-396A-122	Sequence 122, App
44	18.8	72.3	1475	13	US-10-411-037-33	Sequence 33, Appl
45	18.8	72.3	1475	13	US-10-411-026-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-09-939-853A-141
; Sequence 141, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939.853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 141
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide primer
US-09-939-853A-141

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Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTCTGGAGTCTGCCAGTGTCTT 26

Db 1 CTTCTGGAGTCTGCCAGTGTCTT 26

RESULT 4
US-09-814-353-21302/c
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1

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Query Match      100.0%; Score 26; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 CCTTCTGGAAGTCTGCCAGTGCTCT 26
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Db 276 CCTTCTGGAAGTCTGCCAGTGCTCT 251

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RESULT 6
US-09-939-853A-76
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
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; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

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Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCTGGAAGTCTGCCAGTGTCCTT 26
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Db 908 CCTTCTGGAAGTCTGCCAGTGTCCTT 933

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RESULT 7
US-10-027-632-195852
; Sequence 195852, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195852
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195852

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Query Match      78.5%; Score 20.4; DB 13; Length 611;
Best Local Similarity 95.5%; Pred. No. 7.6;
Matches 21; Conservative 0; Mismatches 1; Indels 0
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Qy 2 CTTCTGGAAGTCTGCCAGTGC 23
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Db 484 CTTCTGGAAGTCTGCCAGTGC 505

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RESULT 8
US-10-027-632-195852
  ; Sequence 195852, Application US/10027632
  ; Publication No. US20030204075A9
  ; GENERAL INFORMATION:
  ; APPLICANT: Wang, David G.
  ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
  ; TITLE OF INVENTION: Polymorphisms in the Human Genome
  ; FILE REFERENCE: 108822.129
  ; CURRENT APPLICATION NUMBER: US/10/027,632
  ; CURRENT FILING DATE: 2002-04-30
  ; PRIOR APPLICATION NUMBER: US 60/218,006
  ; PRIOR FILING DATE: 2000-07-12
  ; PRIOR APPLICATION NUMBER: US 60/198,676
  ; PRIOR FILING DATE: 2000-04-20
  ; PRIOR APPLICATION NUMBER: US 60/193,483
  ; PRIOR FILING DATE: 2000-03-29
  ; PRIOR APPLICATION NUMBER: US 60/185,218
  ; PRIOR FILING DATE: 2000-02-24
  ; PRIOR APPLICATION NUMBER: US 60/167,363
  ; PRIOR FILING DATE: 1999-11-23
  ; PRIOR APPLICATION NUMBER: US 60/156,358
  ; PRIOR FILING DATE: 1999-09-28
  ; PRIOR APPLICATION NUMBER: US 60/146,002
  ; PRIOR FILING DATE: 1999-08-09
  ; NUMBER OF SEQ ID NOS: 325720
  ; SOFTWARE: FastSeq for Windows Version 4.0
  ; SEQ ID NO 195852
  ; LENGTH: 611
  ; TYPE: DNA
  ; ORGANISM: Human
US-10-027-632-195852

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Query Match          78.5%; Score 20.4; DB 16; Length 611;
Best Local Similarity 95.5%; Pred. No. 7.6;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 2 CTTCTGGAAGTCTGCCAGTGC 23
D_b 484 CTTCTGGAAGTCTGCCAGTGC 505

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RESULT 9
US-10-437-963-60613/c
; Sequence 60613, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 60613
; LENGTH: 2826
; TYPE: DNA

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ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_62122C.1
US-10-437-963-60613

Query Match 77.7%; Score 20.2; DB 17; Length 2826;
Best Local Similarity 88.0%; Pred. No. 10;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTTCTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 2386 CTTCTGGCAGTCTGCCAGTTCCTT 2362

RESULT 10
US-10-424-999-2
; Sequence 2, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using Them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen N43
US-10-424-999-2

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 11
US-10-424-999-6
; Sequence 6, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using Them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 6
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen D43
US-10-424-999-6

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 12
US-10-424-999-8
; Sequence 8, Application US/10424999
; Publication No. US20040052810A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Using Them to Inhibit Angiogenesis
; FILE REFERENCE: ST01027-A
; CURRENT APPLICATION NUMBER: US/10/424,999
; CURRENT FILING DATE: 2003-04-29
; PRIOR APPLICATION NUMBER: 10/233,675
; PRIOR FILING DATE: 2002-09-04
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 8
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human abrogen D43 and L74
US-10-424-999-8

Query Match 72.3%; Score 18.8; DB 13; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26
||||| ||||| ||||| ||||| |||||
DB 78 CTGGAAGTCTGCCAGTGCCTT 99

RESULT 13
US-10-233-675A-2
; Sequence 2, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-2

Query Match 72.3%; Score 18.8; DB 16; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGGAAGTCTGCCAGTGCCTT 26

Job time : 22.0951 secs

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Db      78 CTGGAACCTCGCCACTGTCCTT 99
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RESULT 14
US-10-233-675A-6
; Sequence 6, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-6
Query Match      72.3%; Score 18.8; DB 16; Length 258;
Best Local Similarity 90.3%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY      5 CTGGAAGTCTGCCAGTGTCTT 26
|||||  |||||  |||||  |||||  |||||
Db      78 CTGGAACCTCGCCACTGTCCTT 99
|||||  |||||  |||||  |||||  |||||
RESULT 15
US-10-233-675A-8
; Sequence 8, Application US/10233675A
; Publication No. US20030228298A1
; GENERAL INFORMATION:
; APPLICANT: Nesbit, Mark
; APPLICANT: Fong, Timothy
; APPLICANT: Brockstedt, Dirk
; TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
; TITLE OF INVENTION: Them To Inhibit Angiogenesis
; FILE REFERENCE: ST01027
; CURRENT APPLICATION NUMBER: US/10/233,675A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/316,300
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 258
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: human derived abrogen
US-10-233-675A-8
Query Match      72.3%; Score 18.8; DB 16; Length 258;
Best Local Similarity 90.3%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY      5 CTGGAAGTCTGCCAGTGTCTT 26
|||||  |||||  |||||  |||||  |||||
Db      78 CTGGAACCTCGCCACTGTCCTT 99
|||||  |||||  |||||  |||||  |||||
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Search completed: July 25, 2004, 02:23:15

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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 3.09512 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-142
Perfect score: 22
Sequence: 1 tgagagagttctgggtgtccta 22

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
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2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.2	78.2	1245	4	US-09-489-039A-3698
2	16.4	74.5	1273	3	US-08-725-758A-3
3	16.4	74.5	1373	3	US-08-725-758A-1
4	16.2	73.6	618	4	US-09-621-976-788
5	16.2	73.6	2713	2	US-08-916-901-6
6	16.2	73.6	2713	4	US-09-154-602-6
7	15.8	71.8	274	4	US-09-313-294A-5461
8	15.8	71.8	283	4	US-09-313-294A-4815
9	15.8	71.8	288	4	US-09-313-294A-809
10	15.8	71.8	288	4	US-09-313-294A-2911
11	15.8	71.8	835	4	US-09-833-381-1328
12	15.8	71.8	2061	4	US-09-653-839-7
13	15.8	71.8	2109	4	US-09-653-839-5
14	15.8	71.8	2172	4	US-09-653-839-3
15	15.8	71.8	2220	4	US-09-653-839-1
16	15.8	71.8	2353	4	US-09-622-880B-2
17	15.8	71.8	2806	4	US-09-653-839-9
18	15.8	71.8	3138	4	US-09-622-880B-16
19	15.6	70.9	291	4	US-09-313-294A-6747
20	15.6	70.9	331	4	US-09-621-976-11814
21	15.6	70.9	331	4	US-09-621-976-11984
22	15.6	70.9	344	4	US-09-621-976-12361
23	15.6	70.9	344	4	US-09-621-976-13537
24	15.6	70.9	7400	1	US-07-674-852-1
25	15.6	70.9	7400	3	US-08-473-185-1
26	15.6	70.9	7400	3	US-09-171-387-3
27	15.6	70.9	9573	4	US-09-220-132-168

28	15.4	70.0	2972	2	US-08-720-484A-3	Sequence 3, Appli
29	15.4	70.0	2972	3	US-08-953-823A-3	Sequence 3, Appli
30	15.4	70.0	2972	4	US-09-398-239-3	Sequence 3, Appli
31	15.4	70.0	2972	4	US-09-560-876A-3	Sequence 3, Appli
C 32	15.4	70.0	3301	4	US-09-148-545-66	Sequence 66, Appl
33	15.2	69.1	747	4	US-08-630-915A-39	Sequence 39, Appl
C 34	15.2	69.1	1167	4	US-09-679-686B-9	Sequence 9, Appli
C 35	15.2	69.1	1472	1	US-08-123-161A-9	Sequence 9, Appli
C 36	15.2	69.1	1472	1	US-08-483-278-9	Sequence 9, Appli
C 37	15.2	69.1	1558	4	US-09-123-030-7	Sequence 7, Appli
C 38	15.2	69.1	2389	3	US-08-691-563C-52	Sequence 52, Appl
39	15.2	69.1	2389	4	US-09-374-766-52	Sequence 52, Appl
C 40	15.2	69.1	2389	4	US-08-979-847B-48	Sequence 48, Appl
C 41	15.2	69.1	2464	4	US-09-620-312D-448	Sequence 448, App
C 42	15.2	69.1	2584	3	US-08-758-662-8	Sequence 8, Appli
C 43	15.2	69.1	2873	4	US-08-630-915A-193	Sequence 193, App
C 44	15.2	69.1	2905	4	US-09-595-684B-24	Sequence 24, Appl
C 45	15.2	69.1	3051	4	US-09-409-604-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-489-039A-3698
; Sequence 3698, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Bzeton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3698
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3698

Query Match 78.2%; Score 17.2; DB 4; Length 1245;
Best Local Similarity 86.4%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTGCTTA 22
DB 800 TGAGCGATTTCTGGATGCTTA 821

RESULT 2
US-08-725-758A-3
; Sequence 3, Application US/08725758A
; Patent No. 6160108
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy
; APPLICANT: Clement, Christophe Y.
; TITLE OF INVENTION: NOVEL PLATELET ACTIVATION PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,758A
; FILING DATE: 04-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,074
; FILING DATE: 06-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 05433/020001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1273 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 44...1273
; US-08-725-758A-3

Query Match 74.5%; Score 16.4; DB 3; Length 1273;
Best Local Similarity 94.4%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCT 18
DB 372 TGAGAGAGTTCCGGGTCT 389

RESULT 3
US-08-725-758A-1
; Sequence 1, Application US/08725758A
; Patent No. 6160108
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy
; APPLICANT: Clement, Christophe Y.
; TITLE OF INVENTION: NOVEL PLATELET ACTIVATION PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,758A
; FILING DATE: 04-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,074
; FILING DATE: 06-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 05433/020001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1373 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 44...1321
; US-08-725-758A-1

Query Match 74.5%; Score 16.4; DB 3; Length 1373;
Best Local Similarity 94.4%; Pred. No. 72;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCT 18
DB 372 TGAGAGAGTTCCGGGTCT 389

RESULT 4
US-09-621-976-788/c
; Sequence 788, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 788
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 306..617
; US-09-621-976-788

Query Match 73.6%; Score 16.2; DB 4; Length 618;
Best Local Similarity 85.7%; Pred. No. 83;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTGTCT 21
DB 540 TCAGAGGGTTCTCGGTGTCT 520

RESULT 5
US-08-916-901-6
; Sequence 6, Application US/08916901
; Patent No. 5892012
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: RAB PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
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Query Match.          73.8%;   Score 16.2;  DB 4;   Length 2713;
Best local Similarity 85.7%;   Pred. No. 96;
Matches 18;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;

Qy      1  TGAGAGAGTTCTGGGTGTCCT 21
          |||||
Db      2401 TGAGTGAGTTTGGAGTCTCT 2421

RESULT 7
US-09-313-294A-5461/c
; Sequence 5461, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 5461
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6476212 700350185H1
US-09-313-294A-5461

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; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700350185H1
US-09-313-294A-5461

Query Match 71.8%; Score 15.8; DB 4; Length 274;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTTCTGGGTCTC 19
Db 36 TGATAGAGTTCTGGGTGGC 18

RESULT 8
US-09-313-294A-4815/C
; Sequence 4815, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura I.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 4815
; LENGTH: 283
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700349077H1
; NAME/KEY: unsure
; LOCATION: 14, 132
; OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-4815

Query Match 71.8%; Score 15.8; DB 4; Length 283;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OV 1 TGAGAGAGTTCTGGGTCTC 19

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Db      259 TGATAGATTCTGGGTGC 241
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RESULT 9
US-09-313-294A-809/c
; Sequence 809, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 809
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6476212 700549871H1
US-09-313-294A-809

Query Match      71.8%; Score 15.8; DB 4; Length 288;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 TGAGAGAGTTCTGGGTGC 19
|||||
Db      287 TGATAGATTCTGGGTGC 269
|||||

RESULT 10
US-09-313-294A-2911/c
; Sequence 2911, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2911
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6476212 700553476H1
US-09-313-294A-2911

Query Match      71.8%; Score 15.8; DB 4; Length 288;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 TGAGAGAGTTCTGGGTGC 19
|||||
Db      260 TGATAGATTCTGGGTGC 242
|||||

RESULT 11
US-09-833-381-1328
; Sequence 1328, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1328
; LENGTH: 835
; TYPE: DNA
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-833-381-1328

Query Match      71.8%; Score 15.8; DB 4; Length 835;
Best Local Similarity 89.5%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      3 AGAGAGTTCTGGGTGCCT 21
|||||
Db      755 AGACAGTTCTGGGTGCCT 773
|||||

RESULT 12
US-09-653-839-7
; Sequence 7, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 2061
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-7

Query Match      71.8%; Score 15.8; DB 4; Length 2061;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      4 GAGAGTTCTGGGTGCCTA 22
|||||
Db      956 GGGAGTTCTGGGTGCCTA 974
|||||

RESULT 13
US-09-653-839-5
; Sequence 5, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
```


Mon Jul 26 10:32:34 2004

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; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2109
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-5

Query Match      71.8%; Score 15.8; DB 4; Length 2109;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      956 GGGAGTTCTGGATGTCCTA 974

RESULT 14
US-09-653-839-3
; Sequence 3, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2172
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-3

Query Match      71.8%; Score 15.8; DB 4; Length 2172;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      1067 GGGAGTTCTGGATGTCCTA 1085
```

```
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2220
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-1

Query Match      71.8%; Score 15.8; DB 4; Length 2220;
Best Local Similarity 89.5%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      1067 GGGAGTTCTGGATGTCCTA 1085

Search completed: July 24, 2004, 23:36:04
Job time : 4.09512 secs
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```
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2109
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-5

Query Match      71.8%; Score 15.8; DB 4; Length 2109;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      956 GGGAGTTCTGGATGTCCTA 974

RESULT 14
US-09-653-839-3
; Sequence 3, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 2172
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-3

Query Match      71.8%; Score 15.8; DB 4; Length 2172;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GAGAGTTCTGGGTGTCCTA 22
Db      1067 GGGAGTTCTGGATGTCCTA 1085

RESULT 15
US-09-653-839-1
; Sequence 1, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6433153el Human Calcium Dependent Proteases
; FILE REFERENCE: LEX-0038-USA
; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
```


RESULT 2

US-09-814-353-21302
; Sequence 21302, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MXI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21302
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G

US-09-814-353-21302

Query Match 100.0%; Score 22; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 276 TGAGAGAGTTCTGGGTGTCCTA 297

RESULT 3

US-09-939-853A-74
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-939-853A-74

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 224 TGAGAGAGTTCTGGGTGTCCTA 245

RESULT 4

US-09-939-853A-76/c
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-939-853A-76

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTTCTGGGTGTCCTA 22
|||||
DB 960 TGAGAGAGTTCTGGGTGTCCTA 939

RESULT 5

US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-867-550-953

Query Match 92.7%; Score 20.4; DB 9; Length 763;
Best Local Similarity 95.5%; Pred. No. 2.8; Indels 1; Gaps 0;
Matches 21; Conservative 0; Mismatches 0;

QY 1 TGAGAGAGTCTGGGTGCTCTA 22
Db 112 TGAGAGAGTCTGGGTGCTCTA 133

RESULT 6

US-10-108-260A-1362/c
; Sequence 1362, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1362
; LENGTH: 2064
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1362

Query Match 80.9%; Score 17.8; DB 16; Length 2064;
Best Local Similarity 90.5%; Pred. No. 54;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTCTGGGTGCTCT 21
Db 159 TGAGAGAGTCTGGGTGCTCT 139

RESULT 7

US-10-322-281-317
; Sequence 317, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 317
; LENGTH: 57347
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(57347)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-317

Query Match 80.9%; Score 17.8; DB 17; Length 57347;
Best Local Similarity 90.5%; Pred. No. 54;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TGAGAGAGTCTGGGTGCTCT 21
Db 19344 TGAGAGAGTCTGGGAGCCCT 19364

RESULT 8

US-10-336-472-121
; Sequence 121, Application US/10336472
; Publication No. US20040043929A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David W.
; APPLICANT: Ballinger, Robert A.
; APPLICANT: Baumgartner, Jason C.

; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Chant, John S.
; APPLICANT: Berghs, Constance
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Ellerman, Karen
; APPLICANT: Furtak, Katarzyna
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gilbert, Jennifer A.
; APPLICANT: Gunther, Erik
; APPLICANT: Gorman, Linda
; APPLICANT: Guo, Xiaojia Sasha
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Liu, Xiaohong
; APPLICANT: Miller, Charles E.
; APPLICANT: Millet, Isabelle
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: MacDougall, John R.
; APPLICANT: Mishra, Vishnu
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Ort, Tatiana
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-533C
; CURRENT APPLICATION NUMBER: US/10/336,472
; CURRENT FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: 09/746,491
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 10/005,041
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/023,681
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/024,212
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/055,569
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 10/080,334
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/092,900
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 10/136,826
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 10/236,417
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 60/345,092
; PRIOR FILING DATE: 2002-01-04
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 121
; LENGTH: 2442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (77)...(2395)
US-10-336-472-121

Query Match 79.1%; Score 17.4; DB 13; Length 2442;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1116 GAGAGTTCTGGATGTCCTA 1134

RESULT 9

US-10-080-334-85

; Sequence 85, Application US/10080334

; Publication No. US20040002584A1

; GENERAL INFORMATION:

; APPLICANT: Pena, Carol E. A.

; APPLICANT: Shimkets, Richard A

; APPLICANT: Li, Li

; APPLICANT: Shenoy, Suresh G

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Spytek, Kimberly A.

; APPLICANT: Vernet, Corine A. M.

; APPLICANT: Malyankar, Uriel M.

; APPLICANT: Guo, Xiaojia

; APPLICANT: Gusev, Vladimir Y

; APPLICANT: Casman, Stacie J

; APPLICANT: Boldog, Ferenc L

; APPLICANT: Furtak, Katarzyna

; APPLICANT: Tchernev, Velizar T

; APPLICANT: Patturajan, Meera

; APPLICANT: Gangolli, Esha A

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Liu, Xiaohong

; APPLICANT: Baumgartner, Jason C.

; APPLICANT: Gerlach, Valerie

; APPLICANT: Spaderna, Steven K

; APPLICANT: Zerhusen, Bryan D

; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of

; FILE OF INVENTION: Using the Same

; FILE REFERENCE: 21402-275

; CURRENT APPLICATION NUMBER: US/10/080,334

; CURRENT FILING DATE: 2002-02-21

; PRIOR APPLICATION NUMBER: 60/270,523

; PRIOR FILING DATE: 2001-02-21

; PRIOR APPLICATION NUMBER: 60/322,712

; PRIOR FILING DATE: 2001-09-17

; PRIOR APPLICATION NUMBER: 60/311,980

; PRIOR FILING DATE: 2001-08-13

; PRIOR APPLICATION NUMBER: 60/330,307

; PRIOR FILING DATE: 2001-10-18

; PRIOR APPLICATION NUMBER: 60/278,796

; PRIOR FILING DATE: 2001-03-26

; PRIOR APPLICATION NUMBER: 60/281,521

; PRIOR FILING DATE: 2001-04-04

; PRIOR APPLICATION NUMBER: 60/276,677

; PRIOR FILING DATE: 2001-03-16

; PRIOR APPLICATION NUMBER: 60/311,595

; PRIOR FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: 60/270,220

; PRIOR FILING DATE: 2001-02-21

; PRIOR APPLICATION NUMBER: 60/274,295

; PRIOR FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: 60/318,526

; PRIOR FILING DATE: 2001-09-10

; PRIOR APPLICATION NUMBER: 60/286,548

; PRIOR FILING DATE: 2001-04-25

; PRIOR APPLICATION NUMBER: 60/291,765

; PRIOR FILING DATE: 2001-05-17

; PRIOR APPLICATION NUMBER: 60/270,797

; PRIOR FILING DATE: 2001-02-23

; PRIOR APPLICATION NUMBER: 60/276,400

; PRIOR FILING DATE: 2001-03-16

; PRIOR APPLICATION NUMBER: 60/270,810

; PRIOR FILING DATE: 2001-02-23

; NUMBER OF SEQ ID NOS: 388
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 85

; LENGTH: 2442

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-080-334-85

Query Match 79.1%; Score 17.4; DB 16; Length 2442;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1116 GAGAGTTCTGGATGTCCTA 1134

RESULT 10

US-10-159-563-396

; Sequence 396, Application US/10159563

; Publication No. US20040009154A1

; GENERAL INFORMATION:

; APPLICANT: Khan, Javed

; APPLICANT: Ringner, Markus

; APPLICANT: Peterson, Carsten

; APPLICANT: Meltzer, Paul

; TITLE OF INVENTION: SELECTIONS OF GENES AND METHODS OF USING THE SAME FOR

; FILE REFERENCE: 11613.56US11

; CURRENT APPLICATION NUMBER: US/10/159,563

; CURRENT FILING DATE: 2002-12-09

; PRIOR APPLICATION NUMBER: US 10/133,937

; PRIOR FILING DATE: 2002-04-25

; NUMBER OF SEQ ID NOS: 444

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 396

; LENGTH: 2466

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-159-563-396

Query Match 79.1%; Score 17.4; DB 16; Length 2466;
Best Local Similarity 94.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGAGTTCTGGGTGTCCTA 22
|||||
Db 1184 GAGAGTTCTGGATGTCCTA 1202

RESULT 11

US-10-336-472-123

; Sequence 123, Application US/10336472

; Publication No. US20040043929A1

; GENERAL INFORMATION:

; APPLICANT: Anderson, David W.

; APPLICANT: Ballinger, Robert A.

; APPLICANT: Baumgartner, Jason C.

; APPLICANT: Burgess, Catherine E.

; APPLICANT: Casman, Stacie J.

; APPLICANT: Chant, John S.

; APPLICANT: Berghs, Constance

; APPLICANT: Gangolli, Esha A.

; APPLICANT: Edinger, Shlomit R.

; APPLICANT: Ellerman, Karen

; APPLICANT: Furtak, Katarzyna

; APPLICANT: Gerlach, Valerie

; APPLICANT: Gilbert, Jennifer A.

; APPLICANT: Gunther, Erik

; APPLICANT: Gorman, Linda

; APPLICANT: Guo, Xiaojia Sasha

; APPLICANT: Ji, Weizhen

; APPLICANT: Li, Li

```

; APPLICANT: Liu, Xiaohong
; APPLICANT: Miller, Charles E.
; APPLICANT: Millet, Isabelle
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: MacDougall, John R.
; APPLICANT: Mishra, Vishnu
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Spyttek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Ort, Tatiana
; APPLICANT: Taupier Jr, Raymond J.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Wolenc, Adam R.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-533C
; CURRENT APPLICATION NUMBER: US/10/336,472
; PRIOR FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: 09/746,491
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 10/005,041
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/023,681
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/024,212
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 10/055,569
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 10/080,334
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/092,900
; PRIOR FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 10/136,826
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 10/236,417
; PRIOR FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: 60/345,092
; PRIOR FILING DATE: 2002-01-04
; Remaining Prior Application data removed - See File Wrapper or PALM.
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; SOFTWARE: CuraSeqdist version 0.1
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2463)
; US-10-336-472-123

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; Publication No. US20030232349A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: ARVIZU, Chandra S.; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.
; APPLICANT: INCYTE GENOMICS, INC.

US-10-333-574-22
; Sequence 22, Application US/10333574
; Publication No. US20040091962A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: ARVIZU, Chandra S.; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.

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; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.
; APPLICANT: BURFORD, Neil; WALIA, Narinder K.
; APPLICANT: LAL, Preeti G.; LEE, Sally
; APPLICANT: TODD, Stephen; LO, Terence P.
; APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
; TITLE OF INVENTION: PROTEASES
; FILE REFERENCE: PI-0167 USA
; CURRENT APPLICATION NUMBER: US/10/274,639
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: PCT/US01/22397
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/220,063
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/221,680
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/223,544
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/224,717
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/225,988
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; SEQ ID NO 22
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030232349A1 5155802CB1
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; Publication No. US20040091962A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: DELEGANE, Angelo M.; GANDHI, Ameena R.
; APPLICANT: HAPALIA, April J.A.; LU, Dyung Aina M.
; APPLICANT: ARVIZU, Chandra S.; TRIBOULEY, Catherine M.
; APPLICANT: DAS, Debopriya; KALLICK, Deborah A.
; APPLICANT: NGUYEN, Dannel B.; LEE, Ernestine A.
; APPLICANT: KHAN, Farrah A.; YUE, Henry
; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
; APPLICANT: YANG, Junning; THANGAVELU, Kavitha
; APPLICANT: DING, Li; KEARNEY, Liam
; APPLICANT: BAUGHN, Marian R.; BOROWSKY, Mark L.
; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.

```

; APPLICANT: BURFORD, Neil; CHAWLA, Narinder K.
 ; APPLICANT: LAL, Preeti G.; LEE, Sally
 ; APPLICANT: TODD, Stephen; LO, Terence P.
 ; APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
 ; APPLICANT: AZIMZAI, Yalda; LU, Yan
 ; TITLE OF INVENTION: PROTEASES
 ; FILE REFERENCE: PI-0167 USN
 ; CURRENT APPLICATION NUMBER: US/10/333,574
 ; CURRENT FILING DATE: 2003-01-21
 ; PRIOR APPLICATION NUMBER: US 01/22397
 ; PRIOR FILING DATE: 2001-07-17
 ; PRIOR APPLICATION NUMBER: US 60/220,063
 ; PRIOR FILING DATE: 2000-07-21
 ; PRIOR APPLICATION NUMBER: US 60/221,680
 ; PRIOR FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: US 60/223,544
 ; PRIOR FILING DATE: 2000-08-04
 ; PRIOR APPLICATION NUMBER: US 60/224,717
 ; PRIOR FILING DATE: 2000-08-11
 ; PRIOR APPLICATION NUMBER: US 60/225,988
 ; PRIOR FILING DATE: 2000-08-16
 ; PRIOR APPLICATION NUMBER: US 60/227,568
 ; PRIOR FILING DATE: 2000-08-23
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 22
 ; LENGTH: 2789
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 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No: 5155802CBI
 US-10-333-574-22

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 ; Sequence 87, Application US/10116802
 ; Publication No. US20030065157A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Amy Lasek
 ; TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER
 ; FILE REFERENCE: PA-0045; US
 ; CURRENT APPLICATION NUMBER: US/10/116,802
 ; CURRENT FILING DATE: 2002-04-04
 ; PRIOR APPLICATION NUMBER: 60/281,593
 ; PRIOR FILING DATE: 2001-04-04
 ; NUMBER OF SEQ ID NOS: 519
 ; SOFTWARE: PERL Program
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 ; TYPE: DNA
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 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No: 453004.32
 US-10-116-802-87

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 ; Publication No. US20020198371A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; Polymorphisms in the Human Genome
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 284738
 ; LENGTH: 545
 ; TYPE: DNA
 ; ORGANISM: Human
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 Db 196 TGAGAGATTTCTGGGTGTCATA 217

Search completed: July 25, 2004, 02:23:16
 Job time : 18.8497 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 23:33:06 ; Search time 103 Seconds
(Without alignments)
6375.853 Million cell updates/sec

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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 300 summaries

Database : Issued Patents NA.*
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4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	20	1.7	675	1	US-08-707-792A-3
4	20	1.7	2129	4	US-09-016-434-1452
5	20	1.7	786431	4	US-09-751-389-3
6	19	1.6	1467	4	US-09-579-182-2
7	19	1.6	1548	4	US-09-099-053-1
8	19	1.6	2771	4	US-09-016-434-1101
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10	18	1.5	1438	4	US-09-470-946-4
11	18	1.5	1659	3	US-09-318-448-8
12	18	1.5	3090	3	US-09-276-531-78
13	18	1.5	70000	4	US-09-851-896-3
14	17	1.4	351	3	US-09-046-479-1
15	17	1.4	351	4	US-08-822-897C-1
16	17	1.4	351	4	US-09-608-810A-3
17	17	1.4	351	4	US-09-404-417A-1
18	17	1.4	435	4	US-09-252-991A-6817
19	17	1.4	439	4	US-09-222-575-172
20	17	1.4	439	4	US-09-389-681-172
21	17	1.4	439	4	US-09-620-405B-172
22	17	1.4	439	4	US-09-339-338-172
23	17	1.4	439	4	US-09-433-826B-172
24	17	1.4	439	4	US-09-604-287A-172
25	17	1.4	439	4	US-09-285-480-172
26	17	1.4	439	4	US-09-834-759-172
27	17	1.4	445	4	US-09-702-705-1598

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445	4	US-09-614-124B-1598	Sequence 1598, Ap
445	4	US-09-671-325-1598	Sequence 1598, Ap
541	4	US-09-220-132-10	Sequence 10, Appl
566	4	US-09-621-976-1574	Sequence 1574, Ap
627	4	US-09-328-352-1086	Sequence 1086, Ap
643	4	US-09-833-381-1262	Sequence 1262, Ap
651	4	US-09-016-434-1255	Sequence 1255, Ap
674	4	US-09-621-976-87	Sequence 87, Appl
759	4	US-09-489-039A-5493	Sequence 5493, Ap
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941	4	US-09-634-238-89	Sequence 89, Appl
1089	1	US-08-154-915-1	Sequence 1, Appl
1089	2	US-08-464-517-37	Sequence 37, Appl
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1089	3	US-08-463-772-37	Sequence 37, Appl
1089	5	PCT-US93-09945-1	Sequence 1, Appl
1747	4	US-09-566-921-66	Sequence 66, Appl
1748	3	US-08-765-889C-1	Sequence 1, Appl
1748	5	PCT-US95-07855-1	Sequence 1, Appl
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2180	3	US-09-210-474-2	Sequence 2, Appl
2180	3	US-09-539-774-2	Sequence 2, Appl
2648	4	US-09-373-157-5	Sequence 5, Appl
2666	4	US-09-566-921-3	Sequence 3, Appl
2856	4	US-09-252-991A-6767	Sequence 6767, Ap
2874	3	US-08-179-558-54	Sequence 54, Appl
2874	4	US-09-722-825-54	Sequence 54, Appl
2874	4	US-09-722-487-54	Sequence 54, Appl
2874	4	US-09-722-708-54	Sequence 54, Appl
3059	3	US-09-179-558-61	Sequence 61, Appl
3059	4	US-09-722-825-61	Sequence 61, Appl
3059	4	US-09-722-487-61	Sequence 61, Appl
3059	4	US-09-722-708-61	Sequence 61, Appl
4139	4	US-09-620-312D-349	Sequence 349, App
8802	3	US-08-896-449A-1	Sequence 1, Appl
8802	3	US-09-132-652-1	Sequence 1, Appl
9840	4	US-09-534-638-1	Sequence 1, Appl
61663	4	US-09-453-702B-62	Sequence 62, Appl
4403755	3	US-09-103-840A-2	Sequence 2, Appl
4411529	3	US-09-103-840A-1	Sequence 1, Appl
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211	4	US-09-833-381-378	Sequence 378, App
251	4	US-09-602-877A-93	Sequence 93, Appl
265	3	US-09-071-710-9	Sequence 9, Appl
265	3	US-09-525-397-9	Sequence 9, Appl
278	4	US-09-621-976-16442	Sequence 16442, A
288	3	US-09-313-294A-3534	Sequence 3534, Ap
288	3	US-09-071-710-10	Sequence 10, Appl
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310	1	US-08-235-838-9	Sequence 9, Appl
310	2	US-08-465-473B-9	Sequence 9, Appl
321	2	US-08-888-366-21	Sequence 21, Appl
352	4	US-09-641-638-433	Sequence 433, App
352	4	US-09-641-638-434	Sequence 434, App
391	4	US-09-621-976-18404	Sequence 18404, A
399	4	US-09-489-039A-3397	Sequence 3397, Ap
408	4	US-09-564-329A-10	Sequence 10, Appl
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423	4	US-09-503-653A-62	Sequence 62, Appl
439	3	US-09-042-353-360	Sequence 360, App
439	4	US-08-758-417A-208	Sequence 208, App
480	4	US-09-621-976-10604	Sequence 10604, A
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546	4	US-09-252-991A-1532	Sequence 1532, Ap
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594	4	US-09-252-991A-1119	Sequence 1119, A
615	4	US-09-252-991A-12620	Sequence 12620, A
651	4	US-09-252-991A-9984	Sequence 9984, Ap
654	4	US-09-252-991A-11241	Sequence 11241, A

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c 103	16	1.4	754	4	US-09-633-381-968	Sequence 968, App	176	16	1.4	2733	5	PCT-US96-00331-14	Sequence 14, Appl
c 104	16	1.4	772	3	US-09-020-956-11	Sequence 11, Appl	177	16	1.4	2859	2	US-08-506-340A-2	Sequence 2, Appl
c 105	16	1.4	772	3	US-09-030-607-11	Sequence 11, Appl	178	16	1.4	2864	4	US-09-409-180A-2	Sequence 2, Appl
c 106	16	1.4	772	4	US-09-439-113-11	Sequence 11, Appl	179	16	1.4	2872	4	US-09-327-487A-2	Sequence 2, Appl
c 107	16	1.4	772	4	US-09-352-616A-11	Sequence 11, Appl	180	16	1.4	2904	4	US-09-636-215-703	Sequence 703, App
c 108	16	1.4	772	4	US-09-232-149A-11	Sequence 11, Appl	181	16	1.4	2904	4	US-09-685-166A-703	Sequence 703, App
c 109	16	1.4	772	4	US-09-159-812-11	Sequence 11, Appl	182	16	1.4	3410	3	US-09-620-312D-277	Sequence 277, App
c 110	16	1.4	772	4	US-09-636-215-11	Sequence 11, Appl	183	16	1.4	3410	3	US-09-020-956-110	Sequence 110, App
c 111	16	1.4	772	4	US-09-685-166A-11	Sequence 11, Appl	184	16	1.4	3410	3	US-09-030-607-110	Sequence 110, App
c 112	16	1.4	772	4	US-09-115-453-11	Sequence 11, Appl	185	16	1.4	3410	4	US-09-439-113-110	Sequence 110, App
c 113	16	1.4	772	4	US-09-688-489-11	Sequence 11, Appl	186	16	1.4	3410	4	US-09-352-616A-110	Sequence 110, App
c 114	16	1.4	819	3	US-08-792-019B-4	Sequence 4, Appl	187	16	1.4	3410	4	US-09-602-877A-100	Sequence 100, App
c 115	16	1.4	819	3	US-08-368-819-4	Sequence 4, Appl	188	16	1.4	3410	4	US-09-232-149A-110	Sequence 110, App
c 116	16	1.4	819	3	US-09-016-534-4	Sequence 4, Appl	189	16	1.4	3410	4	US-09-159-812-110	Sequence 110, App
c 117	16	1.4	847	1	US-08-053-131-184	Sequence 184, App	190	16	1.4	3410	4	US-09-636-215-110	Sequence 110, App
c 118	16	1.4	847	1	US-08-096-762-184	Sequence 184, App	191	16	1.4	3410	4	US-09-685-166A-110	Sequence 110, App
c 119	16	1.4	847	3	US-09-042-353-47	Sequence 47, App	192	16	1.4	3410	4	US-09-620-312D-277	Sequence 277, App
c 120	16	1.4	847	3	US-08-758-417A-312	Sequence 312, App	193	16	1.4	3524	4	US-09-688-489-110	Sequence 110, App
c 121	16	1.4	908	3	US-08-718-388-1	Sequence 1, Appl	194	16	1.4	3524	4	US-09-077-940A-3	Sequence 3, Appl
c 122	16	1.4	908	4	US-08-340-236-1829	Sequence 1829, Ap	195	16	1.4	3530	3	US-08-704-711A-10	Sequence 10, Appl
c 123	16	1.4	924	1	US-08-468-709B-1	Sequence 1, Appl	196	16	1.4	3530	4	US-09-521-220-10	Sequence 10, Appl
c 124	16	1.4	924	2	US-08-241-664B-1	Sequence 1, Appl	197	16	1.4	3831	3	US-09-360-394C-1	Sequence 1, Appl
c 125	16	1.4	924	4	US-09-640-173-174	Sequence 174, App	198	16	1.4	3831	3	US-09-056-105-14	Sequence 14, Appl
c 126	16	1.4	924	4	US-09-713-550-174	Sequence 2, Appl	199	16	1.4	3931	4	US-08-956-171B-342	Sequence 342, App
c 127	16	1.4	924	5	PCT-US93-03936-1	Sequence 2, Appl	200	16	1.4	4034	4	US-09-636-215-704	Sequence 704, App
c 128	16	1.4	927	3	US-08-875-811-56	Sequence 56, Appl	201	16	1.4	4034	4	US-09-685-166A-704	Sequence 297, App
c 129	16	1.4	1085	3	US-09-218-489-1	Sequence 1, Appl	202	16	1.4	4394	4	US-09-620-312D-297	Sequence 58, Appl
c 130	16	1.4	1230	4	US-09-252-991A-13665	Sequence 13665, Ap	203	16	1.4	4894	4	US-09-636-215-702	Sequence 702, App
c 131	16	1.4	1230	4	US-08-718-388-2	Sequence 2, Appl	204	16	1.4	4894	4	US-09-685-166A-702	Sequence 702, App
c 132	16	1.4	1336	3	US-09-252-991A-1489	Sequence 1489, Ap	205	16	1.4	5330	4	US-09-023-505A-1	Sequence 1, Appl
c 133	16	1.4	1364	4	US-09-489-039A-5714	Sequence 5714, Ap	206	16	1.4	5330	3	US-09-012-515A-11	Sequence 11, Appl
c 134	16	1.4	1572	4	US-09-620-312D-317	Sequence 317, App	207	16	1.4	5430	3	US-08-360-144A-11	Sequence 11, Appl
c 135	16	1.4	1639	4	US-09-328-352-1458	Sequence 1458, Ap	208	16	1.4	5430	4	US-09-012-504A-11	Sequence 11, Appl
c 136	16	1.4	1641	4	US-09-340-236-978	Sequence 978, App	209	16	1.4	5430	4	US-09-012-509A-11	Sequence 11, Appl
c 137	16	1.4	1692	1	US-08-361-920-20	Sequence 20, Appl	210	16	1.4	5524	4	US-09-844-497-3	Sequence 3, Appl
c 138	16	1.4	1695	1	US-08-479-939-20	Sequence 20, Appl	211	16	1.4	5822	4	US-09-456-998-3	Sequence 3, Appl
c 139	16	1.4	1695	1	US-08-483-432-20	Sequence 6, Appl	212	16	1.4	6822	4	US-09-636-215-705	Sequence 705, App
c 140	16	1.4	1716	4	US-09-674-677-6	Sequence 6, Appl	213	16	1.4	6976	4	US-09-685-166A-705	Sequence 705, App
c 141	16	1.4	1717	2	US-08-468-709B-6	Sequence 6, Appl	214	16	1.4	6976	4	US-08-471-112A-1	Sequence 4, Appl
c 142	16	1.4	1717	2	US-08-241-664B-6	Sequence 6, Appl	215	16	1.4	7653	4	US-09-426-998-6	Sequence 6, Appl
c 143	16	1.4	1717	2	PCT-US93-03936-6	Sequence 6, Appl	216	16	1.4	7741	4	US-08-718-388-6	Sequence 6, Appl
c 144	16	1.4	1770	4	US-09-252-991A-1639	Sequence 1639, Ap	217	16	1.4	7824	3	US-08-426-998-6	Sequence 3, Appl
c 145	16	1.4	1770	4	US-09-016-434-1425	Sequence 1425, Ap	218	16	1.4	7824	5	PCT-US95-06722-11	Sequence 11, Appl
c 146	16	1.4	1824	4	US-09-023-655-1061	Sequence 1061, Ap	219	16	1.4	8285	4	US-09-732-025-3	Sequence 3, Appl
c 147	16	1.4	1825	4	US-09-252-991A-1687	Sequence 1687, Ap	220	16	1.4	8598	4	US-08-305-790B-1	Sequence 1, Appl
c 148	16	1.4	1839	4	US-09-739-455-1	Sequence 1, Appl	221	16	1.4	9046	1	US-08-227-536-1	Sequence 1, Appl
c 149	16	1.4	1868	4	US-09-732-025-1	Sequence 1, Appl	222	16	1.4	9046	5	PCT-US95-04682-1	Sequence 1, Appl
c 150	16	1.4	1878	4	US-09-620-312D-427	Sequence 427, App	223	16	1.4	11517	1	US-07-920-281C-1	Sequence 1, Appl
c 151	16	1.4	1882	4	US-09-252-991A-1639	Sequence 3804, Ap	224	16	1.4	11517	3	US-08-466-277-1	Sequence 1, Appl
c 152	16	1.4	1953	4	US-09-398-395A-41	Sequence 41, Appl	225	16	1.4	11725	2	US-08-756-506-1	Sequence 1, Appl
c 153	16	1.4	1994	4	US-09-887-586A-41	Sequence 41, Appl	226	16	1.4	11725	4	US-09-328-925-50	Sequence 50, Appl
c 154	16	1.4	1994	4	US-09-895-752-41	Sequence 41, Appl	227	16	1.4	11827	4	US-08-739-455-3	Sequence 3, Appl
c 155	16	1.4	1994	4	US-09-903-012B-41	Sequence 41, Appl	228	16	1.4	16382	3	US-08-718-388-8	Sequence 8, Appl
c 156	16	1.4	1994	4	US-09-900-797-41	Sequence 41, Appl	229	16	1.4	24707	3	US-09-740-027-3	Sequence 3, Appl
c 157	16	1.4	2012	1	US-08-235-838-15	Sequence 15, Appl	230	16	1.4	34001	4	US-09-596-002-18	Sequence 18, Appl
c 158	16	1.4	2012	2	US-08-465-473B-15	Sequence 15, Appl	231	16	1.4	51259	3	US-08-781-891-209	Sequence 209, App
c 159	16	1.4	2143	3	US-09-071-710-15	Sequence 15, Appl	232	16	1.4	51259	4	US-09-618-166-209	Sequence 209, App
c 160	16	1.4	2143	3	US-09-525-397-15	Sequence 15, Appl	233	16	1.4	70000	4	US-09-851-896-3	Sequence 3, Appl
c 161	16	1.4	2152	3	US-09-071-710-16	Sequence 16, Appl	234	16	1.4	80246	3	US-09-078-234-4	Sequence 4, Appl
c 162	16	1.4	2152	3	US-09-525-397-16	Sequence 16, Appl	235	16	1.4	80595	3	US-09-078-234-3	Sequence 3, Appl
c 163	16	1.4	2355	4	US-09-232-991A-3845	Sequence 3845, Ap	236	16	1.4	128779	4	US-09-497-855A-38	Sequence 38, Appl
c 164	16	1.4	2360	4	US-09-023-655-1288	Sequence 1288, Ap	237	16	1.4	269223	4	US-09-596-002-41	Sequence 41, Appl
c 165	16	1.4	2416	4	US-09-016-434-1264	Sequence 1264, Ap	238	16	1.4	269223	4	US-09-557-884-1	Sequence 1, Appl
c 166	16	1.4	2469	1	US-07-997-133-2	Sequence 2, Appl	239	16	1.4	1830121	4	US-09-643-990A-1	Sequence 30, Appl
c 167	16	1.4	2469	1	US-08-459-296-1	Sequence 1, Appl	240	15	1.3	27	3	US-09-253-396A-30	Sequence 39, Appl
c 168	16	1.4	2469	5	US-07-997-133-2	Sequence 2, Appl	241	15	1.3	28	1	US-08-467-420A-39	Sequence 39, Appl
c 169	16	1.4	2491	4	US-09-023-655-655	Sequence 655, App	242	15	1.3	28	1	US-08-470-110A-39	Sequence 39, Appl
c 170	16	1.4	2577	4	US-09-266-464-1	Sequence 1, Appl	243	15	1.3	28	1	US-08-667-769A-39	Sequence 39, Appl
c 171	16	1.4	2577	4	US-09-016-434-1095	Sequence 1095, Ap	244	15	1.3	28	2	US-08-940-371-39	Sequence 39, Appl
c 172	16	1.4	2662	2	US-08-451-822A-14	Sequence 14, Appl	245	15	1.3	28	5	US-08-637-647-39	Sequence 39, Appl
c 173	16	1.4	2662	2			246	15	1.3	28		PCT-US95-17082A-39	Sequence 39, Appl


```
; GENERAL INFORMATION:
; APPLICANT: MARCY, ALICE
; APPLICANT: SALOWE, SCOTT P.
; APPLICANT: WISNIOWSKI, DOUGLAS
; TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
; TITLE OF INVENTION: FUSION PROTEINS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/707,792A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Camara, Valerie J
; REGISTRATION NUMBER: 35,090
; REFERENCE/DOCKET NUMBER: 19524
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3902
; TELEFAX: 908-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 675 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-08-707-792A-3

Query Match 1.7%; Score 20; DB 1; Length 675;
Best Local Similarity 100.0%; Pred. No. 4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCTCATCCGGGAGGC 766
Db 443 CCTTCTCATCCGGGAGGC 462

RESULT 4
US-09-016-434-1452
; Sequence 1452, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1452:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 9775207
; US-09-016-434-1452

Query Match 1.7%; Score 20; DB 4; Length 2129;
Best Local Similarity 100.0%; Pred. No. 4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCTCATCCGGGAGGC 766
Db 508 CCTTCTCATCCGGGAGGC 527

RESULT 5
US-09-751-389-3
; Sequence 3, Application US/09751389
; Patent No. 6630334
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001067
; CURRENT APPLICATION NUMBER: US/09/751,389
; CURRENT FILING DATE: 2001-01-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(786431)
; OTHER INFORMATION: n = A,T,C or G
; US-09-751-389-3

Query Match 1.7%; Score 20; DB 4; Length 786431;
Best Local Similarity 100.0%; Pred. No. 3.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 693 TGAGCAGGGAGAAAGCAGAG 712
Db 412751 TGAGCAGGGAGAAAGCAGAG 412770

RESULT 6
US-09-579-182-2
; Sequence 2, Application US/09579182
; Patent No. 6500628
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; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE AND
; FILE OF INVENTION: PHOSPHATASE HOMOLOGUES AND USES THEREFOR
; FILE REFERENCE: MNI-161
; CURRENT APPLICATION NUMBER: US/09/579,182
; CURRENT FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-579-182-2

Query Match      1.6%; Score 19; DB 4; Length 1467;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 AGGGGCTTCCTCATCCGG 760
Db      423 AGGGGCTTCCTCATCCGG 441

RESULT 7
US-09-099-053-1
; Sequence 1, Application US/09099053
; Patent No. 6388063
; GENERAL INFORMATION:
; APPLICANT: Greg Plowman
; APPLICANT: Susan Onrust
; APPLICANT: David Markby
; APPLICANT: Sara Courtneidge
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,053
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/049,914
; FILING DATE: June 18, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 235/121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-099-053-1

; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE AND
; FILE OF INVENTION: PHOSPHATASE HOMOLOGUES AND USES THEREFOR
; FILE REFERENCE: MNI-161
; CURRENT APPLICATION NUMBER: US/09/579,182
; CURRENT FILING DATE: 2000-05-25
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-579-182-2

Query Match      1.6%; Score 19; DB 4; Length 1467;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      742 AGGGGCTTCCTCATCCGG 760
Db      423 AGGGGCTTCCTCATCCGG 441

RESULT 8
US-09-016-434-1101
; Sequence 1101, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; FILE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE.
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1101:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2771 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: GI256002
US-09-016-434-1101

Query Match      1.6%; Score 19; DB 4; Length 2771;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      585 CTGAGGATGGAGACTGGTG 603
Db      1305 CTGAGGATGGAGACTGGTG 1323

RESULT 9
US-09-187-331-4
; Sequence 4, Application US/09187331
; Patent No. 6043056
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
```

; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/187,331
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1438
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2705267
US-09-187-331-4

Query Match 1.5%; Score 18; DB 3; Length 1438;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGAC 1156
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DB 855 TACATCAGCCTGAATGAC 872

RESULT 10
US-09-470-946-4
; Sequence 4, Application US/09470946
; Patent No. 6358923
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/470,946
; CURRENT FILING DATE: 1999-12-22
; EARLIER APPLICATION NUMBER: US 09/187,331
; EARLIER FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1438
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2705267
US-09-470-946-4

Query Match 1.5%; Score 18; DB 4; Length 1438;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGAC 1156
|||||
DB 855 TACATCAGCCTGAATGAC 872

RESULT 11
US-09-318-448-8
; Sequence 8, Application US/09318448
; Patent No. 6210950
; GENERAL INFORMATION:
; APPLICANT: Johnson, William G.
; APPLICANT: Stenroos, Edward S.
; TITLE OF INVENTION: METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
; TITLE OF INVENTION: DEVELOPMENTAL DISORDERS
; FILE REFERENCE: 601-1-057
; CURRENT APPLICATION NUMBER: US/09/318,448
; CURRENT FILING DATE: 1999-05-25

; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1669
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-318-448-8

Query Match 1.5%; Score 18; DB 3; Length 1669;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAATCTCTGCCA 433
|||||
DB 494 AGAAGAAATCTCTGCCA 511

RESULT 12
US-09-276-531-78/c
; Sequence 78, Application US/09276531
; Patent No. 6183968
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Reddy, Roopa
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING
; TITLE OF INVENTION: RECEPTORS AND PROTEINS ASSOCIATED WITH CELL PROLIFERATION
; NUMBER OF SEQUENCES: 134
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,531
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/079,677
; FILING DATE: March 27, 1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lynn E. Murry, Ph.D.
; REGISTRATION NUMBER: 42,918
; REFERENCE/DOCKET NUMBER: PA-0008 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3090 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BRAINOT14
; CLONE: 1595762
US-09-276-531-78

Query Match 1.5%; Score 18; DB 3; Length 3090;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1093 GGAGGAGCTCTTCTCTAG 1110
|||||
Db 398 GGAGGAGCTCTTCTCTAG 381

RESULT 13

US-09-851-896-3
; Sequence 3, Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT)
; FILE REFERENCE: RTS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

Query Match 1.5%; Score 18; DB 4; Length 70000;

Best Local Similarity 100.0%; Pred. No. 36; Mismatches 0; Indels 0; Gaps 0;

QY 455 GTCCAAAGGCCAGGCACT 472
|||||
Db 60708 GTCCAAAGGCCAGGCACT 60725

RESULT 14

US-09-046-479-1/c
; Sequence 1, Application US/09046479
; Patent No. 6291653
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/046,479
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...351
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: 1...69
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: 70...351
; OTHER INFORMATION:
US-09-046-479-1
Query Match 1.4%; Score 17; DB 3; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 17; Conservative 0;
QY 296 GTCCAGCCAGGAGCATGC 312
|||||
Db 57 GTCCAGCCAGGAGCATGC 41
RESULT 15
US-08-822-897C-1/c
; Sequence 1, Application US/08822897C
; Patent No. 6380158
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,897C
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...351

```
;
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: 1...69
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: 70...351
; OTHER INFORMATION:
; US-08-822-897C-1

Query Match      1.4%; Score 17; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      296 GTCCAGCCAGAGCATGC 312
Db      57 GTCCAGCCAGAGCATGC 41

RESULT 16
US-09-608-810A-3/c
; Sequence 3, Application US/09608810A
; Patent No. 6420521
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Jaspers, Stephen R.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: SGIP PEPTIDES
; FILE REFERENCE: 99-51
; CURRENT APPLICATION NUMBER: US/09/608,810A
; CURRENT FILING DATE: 2000-06-30
; PRIOR FILING DATE: 1999-06-30
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 351
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(351)
; NAME/KEY: sig_peptide
; LOCATION: (1)...(69)
; NAME/KEY: mat_peptide
; LOCATION: (70)...(351)
; US-09-608-810A-3

Query Match      1.4%; Score 17; DB 4; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      296 GTCCAGCCAGAGCATGC 312
Db      57 GTCCAGCCAGAGCATGC 41

RESULT 17
US-09-404-417A-1/c
; Sequence 1, Application US/09404417A
; Patent No. 6627729
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: TML PEPTIDES
; FILE REFERENCE: 97-04C1
; CURRENT APPLICATION NUMBER: US/09/404,417A
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 351

;
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(351)
; NAME/KEY: mat_peptide
; LOCATION: (70)...(351)
; OTHER INFORMATION:
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6817
; LENGTH: 435
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-6817/c

Query Match      1.4%; Score 17; DB 4; Length 435;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      692 CTGAGCAGCGGAGAAAGC 708
Db      427 CTGAGCAGCGGAGAAAGC 411

RESULT 18
US-09-252-991A-6817/c
; Sequence 6817, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6817
; LENGTH: 435
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-6817

Query Match      1.4%; Score 17; DB 4; Length 435;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      692 CTGAGCAGCGGAGAAAGC 708
Db      427 CTGAGCAGCGGAGAAAGC 411

RESULT 19
US-09-222-575-172
; Sequence 172, Application US/09222575
; Patent No. 6387697
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; TITLE OF INVENTION: and Methods for their Use
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222,575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (19)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (375)
```



```
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (388)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (390)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (395)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (409)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (426)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (434)
; OTHER INFORMATION: Where n is a, c, g or t
; US-09-222-575-172
```

```
Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 750 TCCTCATCCGGGAGGC 766
Db 80 TCCTCATCCGGGAGGC 96
```

```
RESULT 20
US-09-389-681-172
; Sequence 172, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-389-681-172
```

```
Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 750 TCCTCATCCGGGAGGC 766
Db 80 TCCTCATCCGGGAGGC 96
```

```
RESULT 21
US-09-620-405B-172
; Sequence 172, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
```

```
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-620-405B-172
```

```
Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 750 TCCTCATCCGGGAGGC 766
Db 80 TCCTCATCCGGGAGGC 96
```

```
RESULT 22
US-09-339-338-172
; Sequence 172, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-339-338-172
```

```
Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 750 TCCTCATCCGGGAGGC 766
Db 80 TCCTCATCCGGGAGGC 96
```

```
RESULT 23
US-09-433-826B-172
; Sequence 172, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
```

; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-433-826B-172

Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCCGGGAGGC 766
|||||
Db 80 TCCTCATCCGGGAGGC 96

RESULT 24
US-09-604-287A-172
; Sequence 172, Application US/09604287A
; Patent No. 6596572
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-604-287A-172

Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCCGGGAGGC 766
|||||
Db 80 TCCTCATCCGGGAGGC 96

RESULT 25
US-09-285-480-172
; Sequence 172, Application US/09285480
; Patent No. 6590076
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C1
; CURRENT APPLICATION NUMBER: US/09/285,480
; CURRENT FILING DATE: 1999-04-02
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-285-480-172

Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCCGGGAGGC 766
|||||
Db 80 TCCTCATCCGGGAGGC 96

RESULT 26
US-09-834-759-172
; Sequence 172, Application US/09834759
; Patent No. 6680197
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C9
; CURRENT APPLICATION NUMBER: US/09/834,759
; CURRENT FILING DATE: 2001-04-13
; NUMBER OF SEQ ID NOS: 547
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-834-759-172

Query Match 1.4%; Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCCGGGAGGC 766
|||||
Db 80 TCCTCATCCGGGAGGC 96

RESULT 27
US-09-702-705-1598
; Sequence 1598, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannon, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-702-705-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 28
US-09-736-457-1598
; Sequence 1598, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannon, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-736-457-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 29
US-09-614-124B-1598
; Sequence 1598, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannon, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-614-124B-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 30
US-09-671-325-1598
; Sequence 1598, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannon, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1598
; LENGTH: 445
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-671-325-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 750 TCCTCATCCGGGAGGC 766
|||||
Db 59 TCCTCATCCGGGAGGC 75

RESULT 31
US-09-220-132-10
; Sequence 10, Application US/09220132
; Patent No. 6506607
; GENERAL INFORMATION:
; APPLICANT: Shyjan, Andrew W.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 07334-074001
; CURRENT APPLICATION NUMBER: US/09/220,132
; CURRENT FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: US 60/079,303
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: US 60/068,821
; PRIOR FILING DATE: 1997-12-24
; NUMBER OF SEQ ID NOS: 191
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(541)
; OTHER INFORMATION: n = A,T,C or G
US-09-220-132-10

Query Match 1.4%; Score 17; DB 4; Length 541;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCCTCATCCGGGAGAC 766
Db 395 TCCTCATCCGGGAGAC 411

RESULT 32

US-09-621-976-1574
; Sequence 1574, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.J.Y.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 1574
; LENGTH: 566
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 176..439
; NAME/KEY: sig_peptide
; LOCATION: 176..247
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 6.09999990463257
; OTHER INFORMATION: seq AALVSLFAPAAPC/SI
; NAME/KEY: misc_feature
; LOCATION: 525
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-1574

Query Match 1.4%; Score 17; DB 4; Length 566;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1072 GTTTCCTGAAGCTGCCA 1088
Db 505 GTTTCCTGAAGCTGCCA 521

RESULT 33

US-09-328-352-1086/c
; Sequence 1086, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 1086
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-1086

Query Match 1.4%; Score 17; DB 4; Length 627;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1075 TTCTGAAGCTGCCACAG 1091
Db 117 TTCTGAAGCTGCCACAG 101

RESULT 34

US-09-833-381-1262
; Sequence 1262, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1262
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(643)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1262

Query Match 1.4%; Score 17; DB 4; Length 643;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1139 TACATCAGCCTGAATGA 1155
Db 156 TACATCAGCCTGAATGA 172

RESULT 35

US-09-016-434-1255/c
; Sequence 1255, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

RESULT 39
US-C9-634-238-99/c
; Sequence 99, Application US/09634238
; Patent No. 6544772
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Bloksberg, Leonard, N.
; APPLICANT: Lubbers, Mark W.

APPLICANT: Dekker, James
APPLICANT: Christensson, Anna C.
APPLICANT: Holland, Ross
APPLICANT: O'Toole, Paul W.
APPLICANT: Reid, Julian R.
APPLICANT: Coolbear, Timothy
TITLE OF INVENTION: Polynucleotides, materials incorporating
TITLE OF INVENTION: them and methods for using them.
FILE REFERENCE: 11000.1043U1
CURRENT APPLICATION NUMBER: US/09/634,238
CURRENT FILING DATE: 2000-08-08
NUMBER OF SEQ ID NOS: 422
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 89
LENGTH: 941
TYPE: DNA
ORGANISM: Lactobacillus rhamnosus
US-09-634-238-89

Query Match 1.4%; Score 17; DB 4; Length 941;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 888 TCACCTTCCCTCACTC 904
DB 916 TCACCTTCCCTCACTC 900

RESULT 40
US-08-154-915-1
Sequence 1, Application US/08154915
Patent No. 5618669
GENERAL INFORMATION:
APPLICANT: Beach, David
APPLICANT: Xiong, Yue
TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/154,915
FILING DATE: 19-NOV-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/888,178
FILING DATE: 26-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,514
FILING DATE: 16-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MII-026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 13..888
US-08-154-915-1
Query Match 1.4%; Score 17; DB 1; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 949 CTGCCTACTCAAGGAGC 965
DB 168 CTGCCTACTCAAGGAGC 184
RESULT 41
US-08-464-517-37
Sequence 37, Application US/08464517
Patent No. 5869640
GENERAL INFORMATION:
APPLICANT: BEACH, David H.
TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,517
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCT-1992
APPLICATION NUMBER: US 07/888,178
FILING DATE: 26-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,514
FILING DATE: 16-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Matthew P. Vincent
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MII-004C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 13..888
US-08-464-517-37
Query Match 1.4%; Score 17; DB 2; Length 1089;

Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 42
US-08-246-361A-37
; Sequence 37, Application US/08246361A
; Patent No. 5998582
; GENERAL INFORMATION:
; APPLICANT: BEACH, David H.
; TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/246,361A
; FILING DATE: 19-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/888,178
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/701,514
; FILING DATE: 16-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Matthew P. Vincent
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: MI1-004C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..888
US-08-246-361A-37

Query Match 1.4%; Score 17; DB 2; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 43
US-08-463-772-37
; Sequence 37, Application US/08463772
; Patent No. 6066501

Query Match 1.4%; Score 17; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

GENERAL INFORMATION:
APPLICANT: BEACH, David H.
TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,772
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCT-1992
APPLICATION NUMBER: US 07/888,178
FILING DATE: 26-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,514
FILING DATE: 16-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Matthew P. Vincent
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: MI1-004C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 13..888
US-08-463-772-37

Query Match 1.4%; Score 17; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 44
PCT-US93-09945-1
; Sequence 1, Application PC/TUS9309945
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
; TITLE OF INVENTION: Thereto
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/09945
; FILING DATE:
; PRIOR APPLICATION DATA:

Query Match 1.4%; Score 17; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 44
PCT-US93-09945-1
; Sequence 1, Application PC/TUS9309945
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
; TITLE OF INVENTION: Thereto
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/09945
; FILING DATE:
; PRIOR APPLICATION DATA:

Query Match 1.4%; Score 17; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 44
PCT-US93-09945-1
; Sequence 1, Application PC/TUS9309945
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
; TITLE OF INVENTION: Thereto
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/09945
; FILING DATE:
; PRIOR APPLICATION DATA:

Query Match 1.4%; Score 17; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 949 CTGCCTACTCAAGGAGC 965
|||||
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 44
PCT-US93-09945-1
; Sequence 1, Application PC/TUS9309945
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
; TITLE OF INVENTION: Thereto
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/09945
; FILING DATE:
; PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: US 07/963,308
; FILING DATE: 16-OCT-1992
; PRIOR APPLICATION DATA: US 07/991,997
; FILING DATE: 17-DEC-1992
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 13..888
PCT-US93-09945-1

Query Match 1.4%; Score 17; DB 5; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 45
US-09-566-921-66
; Sequence 66, Application US/09566921
; Patent No. 6682888
; GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.
; APPLICANT: Tingley, Debora W.
; APPLICANT: Edwards, Carla M.
; TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
; FILE REFERENCE: PA-0024 US
; CURRENT APPLICATION NUMBER: US/09/566,921
; CURRENT FILING DATE: 2000-05-05
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 66
; LENGTH: 1747
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6682888 244561.6
US-09-566-921-66

Query Match 1.4%; Score 17; DB 4; Length 1747;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 106 AGAATCCCTAAGGAGCA 122
Db 303 AGAATCCCTAAGGAGCA 319

RESULT 46
US-08-765-899C-1
; Sequence 1, Application US/0876589C
; Patent No. 6136572
; GENERAL INFORMATION:
; APPLICANT: BENATTI, Luca
; APPLICANT: BRETON, Jerome
; APPLICANT: SPECIALE, Carmela
; APPLICANT: OKUNO, Etsuo
; APPLICANT: SCHWARCZ, Robert
; APPLICANT: MOSCA, Monica
; TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
; TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07855
; FILING DATE: 23-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; TELECOMMUNICATION INFORMATION:
```

```
; ADDRESS: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/765,899C
; FILING DATE: 23-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1748 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-765-889C-1

Query Match 1.4%; Score 17; DB 3; Length 1748;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 903 TCCAGGCCCTGGTGGAC 919
Db 345 TCCAGGCCCTGGTGGAC 361

RESULT 47
PCT-US95-07855-1
; Sequence 1, Application PC/TUS9507855
; GENERAL INFORMATION:
; APPLICANT: BENATTI, Luca
; APPLICANT: BRETON, Jerome
; APPLICANT: SPECIALE, Carmela
; APPLICANT: OKUNO, Etsuo
; APPLICANT: SCHWARCZ, Robert
; APPLICANT: MOSCA, Monica
; TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
; TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07855
; FILING DATE: 23-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; TELECOMMUNICATION INFORMATION:
```


; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1748 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US95-07855-1

Query Match 1.4%; Score 17; DB 5; Length 1748;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 903 TCACGGCCCTGGTGGAC 919
Db 345 TCACGGCCCTGGTGGAC 361

RESULT 48
US-09-252-991A-6975
; Sequence 6975, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6975
; LENGTH: 1953
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6975

Query Match 1.4%; Score 17; DB 4; Length 1953;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGAGAAAGC 708
Db 371 CTGAGCAGGAGAAAGC 387

RESULT 49
US-09-252-991A-6727/c
; Sequence 6727, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6727
; LENGTH: 2118
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6727

Query Match 1.4%; Score 17; DB 4; Length 2118;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGAGAAAGC 708
Db 642 CTGAGCAGGAGAAAGC 626

RESULT 50
US-08-755-559-2/c
; Sequence 2, Application US/08755559
; Patent No. 5912142
; GENERAL INFORMATION:
; APPLICANT: KAUFMAN, RUSSEL E.
; APPLICANT: SLENTZ-KESLER, KIMBERLY
; TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
; TITLE OF INVENTION: CELLS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,559
; FILING DATE: 22-NOV-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2180 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-755-559-2

Query Match 1.4%; Score 17; DB 2; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGCCCCCAAGCC 288
Db 1532 GAAGGCCCCCAAGCC 1516

RESULT 51
US-09-210-474-2/c
; Sequence 2, Application US/09210474
; Patent No. 6072034
; GENERAL INFORMATION:
; APPLICANT: KAUFMAN, RUSSEL E.
; APPLICANT: SLENTZ-KESLER, KIMBERLY
; TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
; TITLE OF INVENTION: CELLS
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P.C.

STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/210,474
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/755,559
FILING DATE: 22-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 1579-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2180 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-210-474-2

Query Match 1.4%; Score 17; DB 3; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGGCCCCCAAGCC 288
DB 1532 GAAGGGCCCCCAAGCC 1516

RESULT 52
US-09-539-774-2/c
Sequence 2, Application US/09539774
Patent No. 6350615
GENERAL INFORMATION:
APPLICANT: KAUFMAN, RUSSEL E.
TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER
TITLE OF INVENTION: CELLS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/539,774
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/210,474
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 1579-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2180 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-539-774-2

Query Match 1.4%; Score 17; DB 4; Length 2180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 272 GAAGGGCCCCCAAGCC 288
DB 1532 GAAGGGCCCCCAAGCC 1516

RESULT 53
US-09-373-157-5
Sequence 5, Application US/09373157
Patent No. 6416963
GENERAL INFORMATION:
APPLICANT: Grieninger, Gerd
APPLICANT: Applegate, Dianne
APPLICANT: Stoike-Steben, Lara
TITLE OF INVENTION: NOVEL CLEAVED FRAGMENTS OF FIBRINOGEN
FILE REFERENCE: Sequence ID No. 6416963. 1-7 for 454-24
Patent No. 6416963
CURRENT APPLICATION NUMBER: US/09/373,157
CURRENT FILING DATE: 1999-08-12
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 2648
TYPE: DNA
ORGANISM: Homo sapiens
US-09-373-157-5

Query Match 1.4%; Score 17; DB 4; Length 2648;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1144 CAGCCTCAATGACGAGG 1160
DB 2138 CAGCCTCAATGACGAGG 2154

RESULT 54
US-09-566-921-3/c
Sequence 3, Application US/09566921
Patent No. 6682888
GENERAL INFORMATION:
APPLICANT: Loring, Jeanne P.
APPLICANT: Tingley, Debra M.
APPLICANT: Edwards, Carla M.
TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
FILE REFERENCE: PA-0024 US
CURRENT APPLICATION NUMBER: US/09/566,921
CURRENT FILING DATE: 2000-05-05
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PERL Program
SEQ ID NO 3
LENGTH: 2666
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6682888 232838.13
US-09-566-921-3

Query Match
Best Local Similarity 1.4%; Score 17; DB 4; Length 2666;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCCTCATCCGGAGAGC 766
Db 902 TCCTCATCCGGAGAGC 886

RESULT 55
US-09-252-991A-6767/c
Sequence 6767, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6767
LENGTH: 2856
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6767

Query Match
Best Local Similarity 1.4%; Score 17; DB 4; Length 2856;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGAGAAAGC 708
Db 1394 CTGAGCAGGAGAAAGC 1378

RESULT 56
US-09-179-558-54
Sequence 54, Application US/09179558
Patent No. 6180612
GENERAL INFORMATION:
APPLICANT: Hockensmith, Joel W.
APPLICANT: Muthuswami, Rohini
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TARGETING DNA METABOLIC PROCESSES USING
TITLE OF INVENTION: AMINOGLYCOSIDE DERIVATIVES
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/179,558
FILING DATE: 27-OCT-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 09/060,470
FILING DATE: 15-APR-1998

OTHER INFORMATION: Incyte ID No. 6682888 232838.13
US-09-566-921-3

Query Match
Best Local Similarity 1.4%; Score 17; DB 4; Length 2666;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 750 TCCTCATCCGGAGAGC 766
Db 902 TCCTCATCCGGAGAGC 886

RESULT 55
US-09-252-991A-6767/c
Sequence 6767, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6767
LENGTH: 2856
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6767

Query Match
Best Local Similarity 1.4%; Score 17; DB 4; Length 2856;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 692 CTGAGCAGGAGAAAGC 708
Db 1394 CTGAGCAGGAGAAAGC 1378

RESULT 56
US-09-179-558-54
Sequence 54, Application US/09179558
Patent No. 6180612
GENERAL INFORMATION:
APPLICANT: Hockensmith, Joel W.
APPLICANT: Muthuswami, Rohini
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TARGETING DNA METABOLIC PROCESSES USING
TITLE OF INVENTION: AMINOGLYCOSIDE DERIVATIVES
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/179,558
FILING DATE: 27-OCT-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 09/060,470
FILING DATE: 15-APR-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 60/063,898
FILING DATE: 31-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 9426-005-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8699741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 2874 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Other
US-09-179-558-54

Query Match
Best Local Similarity 1.4%; Score 17; DB 3; Length 2874;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCAGCAGAG 420
Db 781 AGTCTGCCAGCAGAG 797

RESULT 57
US-09-722-825-54
Sequence 54, Application US/09722825
Patent No. 6531306
GENERAL INFORMATION:
APPLICANT: Hockensmith, Joel W.
APPLICANT: Muthuswami, Rohini
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TARGETING DNA METABOLIC PROCESSES USING
TITLE OF INVENTION: AMINOGLYCOSIDE DERIVATIVES
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/722,825
FILING DATE: 28-NOV-6531306-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/179,558
FILING DATE: <Unknown>
APPLICATION NUMBER: U.S. 60/063,898
FILING DATE: 31-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 9426-005-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8699741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 2874 base pairs
TYPE: nucleic acid

```

; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-825-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGCAGCAAG 420
Db 781 AGTCTGCCCGCAGCAAG 797

RESULT 58
US-09-722-487-54
; Sequence 54, Application US/09722487
; Patent No. 6537791
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; MUTHUSWAMI, ROHINI
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,487
; FILING DATE: 28-No. 6537791-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-487-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGCAGCAAG 420
Db 781 AGTCTGCCCGCAGCAAG 797

RESULT 59
US-09-722-708-54
; Sequence 54, Application US/09722708
; Patent No. 6573060
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; MUTHUSWAMI, ROHINI
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,708
; FILING DATE: 28-No. 6573060-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-708-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGCAGCAAG 420
Db 781 AGTCTGCCCGCAGCAAG 797

RESULT 60
US-09-179-558-61
; Sequence 61, Application US/09179558
; Patent No. 6180612
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; MUTHUSWAMI, ROHINI
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
;
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,487
; FILING DATE: 28-No. 6537791-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2874 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; SEQUENCE DESCRIPTION: SEQ ID NO: 54:
US-09-722-487-54
    Query Match      1.4%; Score 17; DB 4; Length 2874;
    Best Local Similarity 100.0%; Pred. No. 1.2e+02;
    Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGCAGCAAG 420
Db 781 AGTCTGCCCGCAGCAAG 797
```

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; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/179,558
; FILING DATE: 27-OCT-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 09/060,470
; FILING DATE: 15-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; US-09-179-558-61

Query Match 1.4%; Score 17; DB 3; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 966 AGTCTGCCCGACGAGAAG 982

RESULT 61
US-09-722-825-61
; Sequence 61, Application US/09722825
; Patent No. 6531306
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,825
; FILING DATE: 28-NOV-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; US-09-179-558-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 404 AGTCTGCCCGACGAGAAG 420
Db 966 AGTCTGCCCGACGAGAAG 982

RESULT 62
US-09-722-487-61
; Sequence 61, Application US/09722487
; Patent No. 6537791
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
; Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TARGETING DNA METABOLIC PROCESSES USING
; AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,487
; FILING DATE: 28-NOV-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3059 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; US-09-722-825-61
```

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; SEQUENCE CHARACTERISTICS:
;   LENGTH: 3059 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: Other
;   SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-722-487-61

Query Match      1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      404 AGTCTGCCGACGAG 420
DB      966 AGTCTGCCGACGAG 982

RESULT 63
US-09-722-708-61
; Sequence 61, Application US/09722708
; Patent No. 6573060
; GENERAL INFORMATION:
; APPLICANT: Hockensmith, Joel W.
;             Muthuswami, Rohini
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
;                   TARGETING DNA METABOLIC PROCESSES USING
;                   AMINOGLYCOSIDE DERIVATIVES
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/722,708
; FILING DATE: 28-Nov. 6573060-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/179,558
; FILING DATE: <Unknown>
; APPLICATION NUMBER: U.S. 60/063,898
; FILING DATE: 31-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 9426-005-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEFAX: (212)8699741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 3059 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: Other
;   SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-722-708-61

Query Match      1.4%; Score 17; DB 4; Length 3059;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      404 AGTCTGCCGACGAG 420

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DB      966 AGTCTGCCGACGAG 982

RESULT 64
US-09-620-312D-349/c
; Sequence 349, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. 656962el Nucleic Acids and
;                   Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: PC_Fl_genes Version 1.0
; SEQ ID NO 349
; LENGTH: 4139
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (260)..(2164)
US-09-620-312D-349

Query Match      1.4%; Score 17; DB 4; Length 4139;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      499 GGCCACGACGCGTGCC 515
DB      487 GGCCACGACGCGTGCC 471

RESULT 65
US-08-896-449A-1
; Sequence 1, Application US/08896449A
; Patent No. 6040143
; GENERAL INFORMATION:
; APPLICANT: Venta, Patrick J
; APPLICANT: Yuzbasiyan-Gurkan, Vilma
; APPLICANT: Schall, William D
; APPLICANT: Brewer, George J
; TITLE OF INVENTION: DNA ENCODING CANINE VON WILLEBRAND
;                   FACTOR AND METHODS OF USE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: 5445 Corporate Drive
; CITY: Troy
; STATE: Michigan
; COUNTRY: USA

```



```

; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61663
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 62:
US-09-453-702B-62

Query Match 1.4%; Score 17; DB 4; Length 61663;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 921 ATTACTCTGAGCTGGCG 937
DB 49996 ATTACTCTGAGCTGGCG 49912

RESULT 69
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 1.4%; Score 17; DB 3; Length 4403765;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 567 AGCCATTGACCATCGTC 583
DB 155 AGCCATTGACCATCGTC 171

RESULT 70
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 1.4%; Score 17; DB 3; Length 4411529;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 567 AGCCATTGACCATCGTC 583
DB 155 AGCCATTGACCATCGTC 171

RESULT 71
US-09-404-417A-8/C
; Sequence 8, Application US/09404417A
; Patent No. 6627729
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: TML PEPTIDES
; FILE REFERENCE: 97-04CI
; CURRENT APPLICATION NUMBER: US/09/404,417A
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: OLIGONUCLEOTIDE
US-09-404-417A-8

Query Match 1.4%; Score 16; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 296 GTCCAGCCAGCATG 311
DB 16 GTCCAGCCAGCATG 1

RESULT 72
US-09-833-381-378/C
; Sequence 378, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 378
; LENGTH: 211
```



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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-378

Query Match      1.4%; Score 16; DB 4; Length 211;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 628 CAGAGAGTAAACATC 643
Db 120 CAGAGAGTAAACATC 105

RESULT 73
US-09-602-877A-93
; Sequence 93, Application US/09602877A
; Patent No. 6432707
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.446C5
; CURRENT APPLICATION NUMBER: US/09/602,877A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 93
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-602-877A-93

Query Match      1.4%; Score 16; DB 4; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCTCTGTGA 39
Db 92 GCCTGTGTCTCTGTGA 107

RESULT 74
US-09-071-710-9/c
; Sequence 9, Application US/09071710
; Patent No. 6130043
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,713
; FILING DATE: 02-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 265 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-9

Query Match      1.4%; Score 16; DB 3; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCTCTGTGA 39
Db 141 GCCTGTGTCTCTGTGA 126

RESULT 75
US-09-525-397-9/c
; Sequence 9, Application US/09525397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
```

ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 265 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-525-397-9

Query Match 1.4%; Score 16; DB 3; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTCTCTCTGTA 39
DB 141 GCCTGTCTCTCTGTA 126

RESULT 76
US-09-621-976-16442
Sequence 16442, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16442
LENGTH: 278
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 114
OTHER INFORMATION: n=a, g, c or t
US-09-621-976-16442

Query Match 1.4%; Score 16; DB 4; Length 278;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 739 TGGAGGGGCGCTTCCTC 754
DB 230 TGGAGGGGCGCTTCCTC 245

RESULT 77
US-09-313-294A-3534/c
Sequence 3534, Application US/09313294A
Patent No. 6476212
GENERAL INFORMATION:
APPLICANT: Lalgudi, Raghunath V.
APPLICANT: Ito, Laura Y.
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
FILE REFERENCE: PL-0017 US
CURRENT APPLICATION NUMBER: US/09/313,294A
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 7600
SOFTWARE: PERL Program
SEQ ID NO 3534

LENGTH: 283
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6476212 700611809H1
US-09-313-294A-3534

Query Match 1.4%; Score 16; DB 4; Length 283;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 GCAGACAGATGCTGAG 178
DB 176 GCAGACAGATGCTGAG 161

RESULT 78
US-09-071-710-10/c
Sequence 10, Application US/09071710
Patent No. 6130043
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,710
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,713
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6083.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: base polymorphism
LOCATION: 147

OTHER INFORMATION: /note= " N' represents an A or G or
OTHER INFORMATION: T or C polymorphism at this position"
US-09-071-710-10

Query Match 1.4%; Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCCTCTGTGA 39
|||||
Db 62 GCCTGTGTCCTCTGTGA 47

RESULT 79
US-09-525-397-10/c
; Sequence 10, Application US/095253397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 288 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: base polymorphism
; LOCATION: 147
; OTHER INFORMATION: /note= " N' represents an A or G or
; OTHER INFORMATION: T or C polymorphism at this position"
US-09-525-397-10

Query Match 1.4%; Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GCCTGTGTCCTCTGTGA 39
|||||
Db 62 GCCTGTGTCCTCTGTGA 47

RESULT 80
US-08-235-838-9/c
; Sequence 9, Application US/08235838
; Patent No. 5571894
; GENERAL INFORMATION:
; APPLICANT: Wells, Winfried S.
; APPLICANT: Hynes, Nancy E.
; APPLICANT: Harwerth, Ina-Maria
; APPLICANT: Groner, Bernd
; APPLICANT: Hardman, No. 5571894man
; APPLICANT: Zwickl, Markus
; TITLE OF INVENTION: Recombinant Antibodies Specific for a
; TITLE OF INVENTION: Growth Factor Receptor
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/235,838
; FILING DATE: TBA
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/828,832
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 91-810079.3
; FILING DATE: 05-FEB-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mouse
; INDIVIDUAL ISOLATE: E. coli
; IMMEDIATE SOURCE:
; CLONE: pMW15-VL51-1
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..310
; OTHER INFORMATION: /note= "1-18 partial seq. of
; OTHER INFORMATION: VKIACK primer region; 64-96 CDR1L; 142-162 CDR2L;
; OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VKIPOR
; OTHER INFORMATION: primer region

US-09-525-397-10/c
; Sequence 10, Application US/095253397
; Patent No. 6252047
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE PROSTATE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/525,397
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,710
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 288 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: base polymorphism
; LOCATION: 147
; OTHER INFORMATION: /note= " N' represents an A or G or
; OTHER INFORMATION: T or C polymorphism at this position"
US-09-525-397-10

US-08-235-838-9

Query Match 1.4%; Score 16; DB 1; Length 310;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601

Db 24 TGAGGATGGAGACTGG 9

RESULT 81

US-08-465-473B-9/c
Sequence 9, Application US/08465473B

Patent No. 5939531

GENERAL INFORMATION:

APPLICANT: Wells, Winfried S.

APPLICANT: Hynes, Nancy E.

APPLICANT: Harwerth, Ina-Maria

APPLICANT: Groner, Bernd

APPLICANT: Hardman, No. 5939531man

APPLICANT: Zwickl, Markus

TITLE OF INVENTION: Recombinant Antibodies Specific for a

TITLE OF INVENTION: Growth Factor Receptor

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: NOVARTIS Corporation

STREET: 564 Morris Avenue

CITY: Summit

STATE: New Jersey

COUNTRY: USA

ZIP: 07901-6940

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/465,473B

FILING DATE: 5 June 1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/828,832

FILING DATE: 31-JAN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 91-810079.3

FILING DATE: 05-FEB-1991

ATTORNEY/AGENT INFORMATION:

NAME: Pfeiffer, Henna J.

REGISTRATION NUMBER: 22,640

REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (908)522 6940

TELEFAX: (908)522 6955

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 310 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Mouse

INDIVIDUAL ISOLATE: E. coli

IMMEDIATE SOURCE:

CLONE: pW15-VL51-1

FEATURE:

NAME/KEY: misc feature

LOCATION: 1..310

OTHER INFORMATION: /note= "1-18 partial seq. of

OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VKLIFOR
OTHER INFORMATION: primer region
US-08-465-473B-9

Query Match 1.4%; Score 16; DB 2; Length 310;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601

Db 24 TGAGGATGGAGACTGG 9

RESULT 82

US-08-888-366-21/c

Sequence 21, Application US/08888366

Patent No. 5972656

GENERAL INFORMATION:

APPLICANT: Lopez, Osvaldo

APPLICANT: Wylie, Dwane E.

APPLICANT: Wagner, Fred W.

TITLE OF INVENTION: Mercury Binding Polypeptides and Nucleotides Coding Therefore

NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merchants & Gould

STREET: 90 South 7th street, 3100 No. 5972656west Ctr.

CITY: Minneapolis

STATE: MN

COUNTRY: USA

ZIP: 55402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/888,366

FILING DATE: 03-JUL-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/187,407

FILING DATE: 27-JAN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/990,542

FILING DATE: 14-DEC-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/493,299

FILING DATE: 14-MAR-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/324,392

FILING DATE: 14-MAR-1989

ATTORNEY/AGENT INFORMATION:

NAME: Carter, Charles G.

REGISTRATION NUMBER: 35,093

REFERENCE/DOCKET NUMBER: 8648.39USC1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 612-332-5300

TELEFAX: 612-332-9081

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 321 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ORIGINAL SOURCE:

STRAIN: Light chain variable region for monoclonal

STRAIN: antibody 23F8

FEATURE:

NAME/KEY: CDS

LOCATION: 1..321

US-08-888-366-21

Query Match 1.4%; Score 16; DB 2; Length 321;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 586 TCAGATCGACACTGG 601
Db 30 TCAGATCGACACTGG 15
|||||

RESULT 83
US-09-641-638-433/c
; Sequence 433, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 433
; LENGTH: 352
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 222
; OTHER INFORMATION: 10-40-222 : polymorphic base A or G
; NAME/KEY: misc binding
; LOCATION: 202..221
; OTHER INFORMATION: 10-40-222.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 223..241
; OTHER INFORMATION: 10-40-222.mis2, complement
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 335..352
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 210..234
; OTHER INFORMATION: 10-40-222 potential probe
US-09-641-638-433

Query Match 1.4%; Score 16; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCTCACTCCAGGCC 911
Db 207 CCTCACTCCAGGCC 192
|||||

RESULT 84
US-09-641-638-434/c
; Sequence 434, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta

; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 434
; LENGTH: 352
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 250
; OTHER INFORMATION: 10-40-252 : polymorphic base C or T
; NAME/KEY: misc binding
; LOCATION: 230..249
; OTHER INFORMATION: 10-40-252.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 251..270
; OTHER INFORMATION: 10-40-252.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 335..352
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 238..262
; OTHER INFORMATION: 10-40-252 potential probe
US-09-641-638-434

Query Match 1.4%; Score 16; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCTCACTCCAGGCC 911
Db 207 CCTCACTCCAGGCC 192
|||||

RESULT 85
US-09-621-976-18404/c
; Sequence 18404, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18404
; LENGTH: 391
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18404

Query Match 1.4%; Score 16; DB 4; Length 391;

```
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1132 CAGCTTCTACATCAGC 1147
Db 294 CAGCTTCTACATCAGC 279

RESULT 86
US-09-489-039A-3397
; Sequence 3397, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 2000-01-27
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3397
; LENGTH: 399
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3397

Query Match 1.4%; Score 16; DB 4; Length 399;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GCCCGAGCTGCGCTG 556
Db 105 GCCCGAGCTGCGCTG 120

RESULT 87
US-09-564-329A-10/C
; Sequence 10, Application US/09564329A
; Patent No. 6541212
; GENERAL INFORMATION:
; APPLICANT: Reiter, Robert E.
; APPLICANT: Witte, Owen N.
; APPLICANT: Saffran, Douglas C.
; TITLE OF INVENTION: PSQA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF
; FILE REFERENCE: 30435.54US14
; CURRENT APPLICATION NUMBER: US/09/564,329A
; CURRENT FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: 09/359,326
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 08/814,279
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: 60/071,141
; PRIOR FILING DATE: 1998-01-12
; PRIOR APPLICATION NUMBER: 60/074,675
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/113,230
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/120,536
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: 60/124,658
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: 09/038,261
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 09/203,939
; PRIOR FILING DATE: 1998-12-02
; PRIOR APPLICATION NUMBER: 09/251,835
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: 09/308,503
; PRIOR FILING DATE: 1999-05-25
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
```

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; SEQ ID NO 10
; LENGTH: 408
; TYPE: DNA
; ORGANISM: SCID Mice
US-09-564-329A-10

Query Match 1.4%; Score 16; DB 4; Length 408;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 900 CACTCCAGGCCCTGGT 915
Db 179 CACTCCAGGCCCTGGT 164

RESULT 88
US-08-822-028-62
; Sequence 62, Application US/08822028
; Patent No. 5993813
; GENERAL INFORMATION:
; APPLICANT: MEZES, PETER S
; APPLICANT: GOURLIE, BRIAN B
; APPLICANT: RIXON, MARK W
; APPLICANT: ANDERSON, WH KERR
; APPLICANT: KAPLAN, DONALD A
; APPLICANT: SCHOLON, JEFFREY
; TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY,
; MODIFIED ANTIBODIES FOR CANCER TREATMENT
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DUANE C ULMER
; STREET: P.O. BOX 1967
; CITY: MIDLAND
; STATE: MICHIGAN
; COUNTRY: USA
; ZIP: 48641-1967
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,028
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/040,687
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: ULMER, DUANE C
; REGISTRATION NUMBER: 34,941
; REFERENCE/DOCKET NUMBER: C-37,075C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 636-8104
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
US-08-822-028-62

Query Match 1.4%; Score 16; DB 2; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298

RESULT 89
```

US-08-479-285-62
; Sequence 62, Application US/08479285
; Patent No. 6207815
; GENERAL INFORMATION:
; APPLICANT: MEZES, PETER S
; APPLICANT: GOURLIE, BRIAN B
; APPLICANT: RIXON, MARK W
; APPLICANT: ANDERSON, WH KERR
; APPLICANT: KAPLAN, DONALD A
; APPLICANT: SCHOLOM, JEFFREY
; TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY,
; MODIFIED ANTIBODIES FOR CANCER TREATMENT
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DUANE C ULMER
; STREET: P.O. BOX 1967
; CITY: MIDLAND
; STATE: MICHIGAN
; COUNTRY: USA
; ZIP: 48641-1967
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,285
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION NUMBER: US 08/040687
; FILING DATE: 31-MAR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: ULMER, DUANE C
; REGISTRATION NUMBER: 34,941
; REFERENCE/DOCKET NUMBER: C-37,075C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (517) 636-8104
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna to mRNA
US-08-479-285-62

Query Match 1.4%; Score 16; DB 3; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298
|||||

RESULT 90
US-09-503-653A-62
; Sequence 62, Application US/09503653A
; Patent No. 6641999
; GENERAL INFORMATION:
; APPLICANT: Mezes, Peter S
; APPLICANT: Gourlie, Brian B
; APPLICANT: Rixon, Mark W
; APPLICANT: Anderson, WH Kerr
; APPLICANT: Kaplan, Donald A
; APPLICANT: Schlom, Jeffrey
; TITLE OF INVENTION: Probing Method for Identifying Antibodies
; TITLE OF INVENTION: Specific for Selected Antigens
; FILE REFERENCE: 37075H-C1P1
; CURRENT APPLICATION NUMBER: US/09/503,653A
; CURRENT FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: US 08/040,687

PRIOR FILING DATE: 1993-03-31
; PRIOR APPLICATION NUMBER: US 07/424,362
; PRIOR FILING DATE: 1989-10-19
; PRIOR APPLICATION NUMBER: US 07/261,942
; PRIOR FILING DATE: 1988-10-24
; PRIOR APPLICATION NUMBER: US 07/259,943
; PRIOR FILING DATE: 1988-10-19
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: MICROSOFT Word 97 SR-2
; SEQ ID NO 62
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: V-segment
; LOCATION: 1..423
; OTHER INFORMATION: Partial sequence of cdna to VhATAG-analog mRNA from hybridoma AHC
US-09-503-653A-62

Query Match 1.4%; Score 16; DB 4; Length 423;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 157 CTGACTGCAGACAGAT 172
Db 283 CTGACTGCAGACAGAT 298
|||||

RESULT 91
US-09-042-353-360/c
; Sequence 360, Application US/09042353
; Patent No. 6255458
; GENERAL INFORMATION:
; APPLICANT: Lomberg, Nils
; APPLICANT: Kay, Robert M.
; TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
; PRODUCING HETEROLOGOUS ANTIBODIES
; NUMBER OF SEQUENCES: 421
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,353
; FILING DATE: 13-MAR-1998
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/810,279
; FILING DATE: 17-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/853,408
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/904,068
; FILING DATE: 23-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/990,860
; FILING DATE: 16-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/053,131
; FILING DATE: 26-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/096,762
; FILING DATE: 22-JUL-1993
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 360:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-360

Query Match 1.4%; Score 16; DB 3; Length 439;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601
Db 96 TGAGGATGGAGACTGG 81

RESULT 92
US-08-758-417A-208/c
Sequence 208, Application US/08758417A
Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
Key, Robert M.
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 417
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-DEC-1996
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 208:
US-08-758-417A-208

Query Match 1.4%; Score 16; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 TGAGGATGGAGACTGG 601
Db 96 TGAGGATGGAGACTGG 81

RESULT 93
US-09-621-976-10604
Sequence 10604, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 10604
LENGTH: 480
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

; NAME/KEY: misc_feature
; LOCATION: 474_feature
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-10604

Query Match 1.4%; Score 16; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1012 CCTACCTGTGACTGTG 1027
|||||
DB 106 CCTACCTGTGACTGTG 121

RESULT 94
US-09-621-976-2590/c
; Sequence 2590, Application US/09621976
; Patent No. 6839083
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 2590
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 214..456
US-09-621-976-2590

Query Match 1.4%; Score 16; DB 4; Length 497;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 966 CCTGTCTCTGCAGAG 981
|||||
DB 281 CCTGTCTCTGCAGAG 256

RESULT 95
US-09-252-991A-1532
; Sequence 1532, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1532
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-1532

Query Match 1.4%; Score 16; DB 4; Length 546;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 AGGCCCTGGTGACCA 921

DB 379 AGGCCCTGGTGACCA 394
|||||

RESULT 96
US-09-328-352-491/c
; Sequence 491, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 491
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-491

Query Match 1.4%; Score 16; DB 4; Length 579;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 384 TCTGCTGAGGACAAAT 399
|||||
DB 229 TCTGCTGAGGACAAAT 214

RESULT 97
US-09-252-991A-11119
; Sequence 1119, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1119
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11119

Query Match 1.4%; Score 16; DB 4; Length 594;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 506 GCCGTGGCCCTGGGCA 521
|||||
DB 349 GCCGTGGCCCTGGGCA 364

RESULT 98
US-09-252-991A-12620
; Sequence 12620, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 12620
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12620

Query Match 1.4%; Score 16; DB 4; Length 615;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1057 GCACAGCTCCCTCTG 1072
Db 234 GCACAGCTCCCTCTG 249
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RESULT 99
US-09-252-991A-9984/c
; Sequence 9984, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 9984
; LENGTH: 651
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9984

Query Match 1.4%; Score 16; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 454 TGTCCAAGGCCAGGGA 469
Db 270 TGTCCAAGGCCAGGGA 255
|||||

RESULT 100
US-09-252-991A-11241
; Sequence 11241, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11241
; LENGTH: 654
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11241

Query Match 1.4%; Score 16; DB 4; Length 654;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 506 GCCGTGGCCCTGGGCA 521
Db 206 GCCGTGGCCCTGGGCA 221
|||||

Search completed: July 25, 2004, 02:26:22
Job time : 117 secs

C 88	18	1.5	531	13	US-10-027-632-143162	Sequence 143162,	161	18	1.5	1579	13	US-10-206-924-441	Sequence 441, App
C 89	18	1.5	531	16	US-10-027-632-143161	Sequence 143161,	162	18	1.5	1579	13	US-10-206-924-441	Sequence 441, App
C 90	18	1.5	531	16	US-10-027-632-143162	Sequence 143162,	163	18	1.5	1579	13	US-10-207-914-441	Sequence 441, App
C 91	18	1.5	535	15	US-10-028-386-4315	Sequence 4315, Ap	164	18	1.5	1579	13	US-10-207-921-441	Sequence 441, App
C 92	18	1.5	544	9	US-09-764-853-86	Sequence 86, Appl	165	18	1.5	1579	13	US-10-207-922-441	Sequence 441, App
C 93	18	1.5	561	13	US-10-027-632-282391	Sequence 282391,	166	18	1.5	1579	13	US-10-208-027-441	Sequence 441, App
C 94	18	1.5	561	16	US-10-027-632-282391	Sequence 282391,	167	18	1.5	1579	13	US-10-174-570-441	Sequence 441, App
C 95	18	1.5	578	13	US-10-424-599-72725	Sequence 72725, A	168	18	1.5	1579	13	US-10-183-005-441	Sequence 441, App
C 96	18	1.5	584	13	US-10-029-386-6891	Sequence 6891, Ap	169	18	1.5	1579	14	US-10-036-342-8	Sequence 8, Appl
C 97	18	1.5	608	13	US-10-027-632-264852	Sequence 264852,	170	18	1.5	1579	14	US-10-052-586-441	Sequence 441, App
C 98	18	1.5	608	17	US-10-027-632-264852	Sequence 264852,	171	18	1.5	1579	14	US-10-036-041-8	Sequence 8, Appl
C 99	18	1.5	690	17	US-10-037-939-927	Sequence 93927, A	172	18	1.5	1579	15	US-10-035-855-8	Sequence 441, App
C 100	18	1.5	717	13	US-10-027-632-162462	Sequence 162462,	173	18	1.5	1579	15	US-10-174-590-441	Sequence 441, App
C 101	18	1.5	717	16	US-10-027-632-162462	Sequence 162462,	174	18	1.5	1579	15	US-10-176-758-441	Sequence 441, App
C 102	18	1.5	718	13	US-10-027-632-144544	Sequence 144544,	175	18	1.5	1579	15	US-10-175-737-441	Sequence 441, App
C 103	18	1.5	718	13	US-10-027-632-144545	Sequence 144545,	176	18	1.5	1579	15	US-10-173-706-441	Sequence 441, App
C 104	18	1.5	718	16	US-10-027-632-144545	Sequence 144545,	177	18	1.5	1579	15	US-10-175-738-441	Sequence 441, App
C 105	18	1.5	823	16	US-10-027-632-325220	Sequence 325220,	178	18	1.5	1579	15	US-10-176-752-441	Sequence 441, App
C 106	18	1.5	823	13	US-10-027-632-325220	Sequence 325220,	179	18	1.5	1579	15	US-10-176-482-441	Sequence 441, App
C 107	18	1.5	823	13	US-10-027-632-325447	Sequence 325447,	180	18	1.5	1579	15	US-10-176-753-441	Sequence 441, App
C 108	18	1.5	823	16	US-10-027-632-325220	Sequence 325220,	181	18	1.5	1579	15	US-10-176-913-441	Sequence 441, App
C 109	18	1.5	823	16	US-10-027-632-325447	Sequence 325447,	182	18	1.5	1579	15	US-10-180-553-441	Sequence 441, App
C 110	18	1.5	858	13	US-10-027-632-172936	Sequence 172936,	183	18	1.5	1579	15	US-10-180-557-441	Sequence 441, App
C 111	18	1.5	858	16	US-10-027-632-172936	Sequence 172936,	184	18	1.5	1579	15	US-10-173-700-441	Sequence 441, App
C 112	18	1.5	898	17	US-10-437-963-6003	Sequence 6003, Ap	185	18	1.5	1579	15	US-10-174-572-441	Sequence 441, App
C 113	18	1.5	944	13	US-10-424-599-66566	Sequence 66566, A	186	18	1.5	1579	15	US-10-174-579-441	Sequence 441, App
C 114	18	1.5	999	13	US-10-027-632-120486	Sequence 120486,	187	18	1.5	1579	15	US-10-174-582-441	Sequence 441, App
C 115	18	1.5	999	16	US-10-027-632-120486	Sequence 120486,	188	18	1.5	1579	15	US-10-174-588-441	Sequence 441, App
C 116	18	1.5	1194	16	US-10-120-988-216	Sequence 216, App	189	18	1.5	1579	15	US-10-175-739-441	Sequence 441, App
C 117	18	1.5	1323	13	US-10-425-114-28115	Sequence 28115, A	190	18	1.5	1579	15	US-10-175-740-441	Sequence 441, App
C 118	18	1.5	1325	16	US-10-260-238-1261	Sequence 1261, Ap	191	18	1.5	1579	15	US-10-175-743-441	Sequence 441, App
C 119	18	1.5	1438	9	US-09-997-701-4	Sequence 4, Appl	192	18	1.5	1579	15	US-10-176-482-441	Sequence 441, App
C 120	18	1.5	1477	17	US-10-115-635-80	Sequence 80, Appl	193	18	1.5	1579	15	US-10-176-492-441	Sequence 441, App
C 121	18	1.5	1543	17	US-10-437-963-28422	Sequence 28422, A	194	18	1.5	1579	15	US-10-176-747-441	Sequence 441, App
C 122	18	1.5	1579	10	US-09-931-836-8	Sequence 8, Appl	195	18	1.5	1579	15	US-10-176-747-441	Sequence 441, App
C 123	18	1.5	1579	13	US-10-206-915-441	Sequence 441, App	196	18	1.5	1579	15	US-10-176-985-441	Sequence 441, App
C 124	18	1.5	1579	13	US-10-199-670-441	Sequence 441, App	197	18	1.5	1579	15	US-10-176-987-441	Sequence 441, App
C 125	18	1.5	1579	13	US-10-201-858-441	Sequence 441, App	198	18	1.5	1579	15	US-10-176-992-441	Sequence 441, App
C 126	18	1.5	1579	13	US-10-205-890-441	Sequence 441, App	199	18	1.5	1579	15	US-10-176-993-441	Sequence 441, App
C 127	18	1.5	1579	13	US-10-208-024-441	Sequence 441, App	200	18	1.5	1579	15	US-10-184-658-441	Sequence 441, App
C 128	18	1.5	1579	13	US-10-201-853-441	Sequence 441, App	201	18	1.5	1579	15	US-10-176-991-441	Sequence 441, App
C 129	18	1.5	1579	13	US-10-174-581-441	Sequence 441, App	202	18	1.5	1579	15	US-10-036-214-8	Sequence 8, Appl
C 130	18	1.5	1579	13	US-10-176-483-441	Sequence 441, App	203	18	1.5	1579	15	US-10-173-695-441	Sequence 441, App
C 131	18	1.5	1579	13	US-10-176-749-441	Sequence 441, App	204	18	1.5	1579	15	US-10-173-697-441	Sequence 441, App
C 132	18	1.5	1579	13	US-10-176-914-441	Sequence 441, App	205	18	1.5	1579	15	US-10-173-703-441	Sequence 441, App
C 133	18	1.5	1579	13	US-10-176-915-441	Sequence 441, App	206	18	1.5	1579	15	US-10-174-576-441	Sequence 441, App
C 134	18	1.5	1579	13	US-10-176-915-441	Sequence 441, App	207	18	1.5	1579	15	US-10-174-585-441	Sequence 441, App
C 135	18	1.5	1579	13	US-10-180-550-441	Sequence 441, App	208	18	1.5	1579	15	US-10-174-586-441	Sequence 441, App
C 136	18	1.5	1579	13	US-10-183-014-441	Sequence 441, App	209	18	1.5	1579	15	US-10-175-747-441	Sequence 441, App
C 137	18	1.5	1579	13	US-10-187-738-441	Sequence 441, App	210	18	1.5	1579	15	US-10-176-481-441	Sequence 441, App
C 138	18	1.5	1579	13	US-10-187-740-441	Sequence 441, App	211	18	1.5	1579	15	US-10-176-485-441	Sequence 441, App
C 139	18	1.5	1579	13	US-10-187-863-441	Sequence 441, App	212	18	1.5	1579	15	US-10-176-487-441	Sequence 441, App
C 140	18	1.5	1579	13	US-10-194-363-441	Sequence 441, App	213	18	1.5	1579	15	US-10-176-493-441	Sequence 441, App
C 141	18	1.5	1579	13	US-10-194-460-441	Sequence 441, App	214	18	1.5	1579	15	US-10-176-756-441	Sequence 441, App
C 142	18	1.5	1579	13	US-10-194-463-441	Sequence 441, App	215	18	1.5	1579	15	US-10-176-911-441	Sequence 441, App
C 143	18	1.5	1579	13	US-10-194-484-441	Sequence 441, App	216	18	1.5	1579	15	US-10-176-919-441	Sequence 441, App
C 144	18	1.5	1579	13	US-10-195-884-441	Sequence 441, App	217	18	1.5	1579	15	US-10-176-925-441	Sequence 441, App
C 145	18	1.5	1579	13	US-10-195-886-441	Sequence 441, App	218	18	1.5	1579	15	US-10-176-978-441	Sequence 441, App
C 146	18	1.5	1579	13	US-10-196-744-441	Sequence 441, App	219	18	1.5	1579	15	US-10-179-510-441	Sequence 441, App
C 147	18	1.5	1579	13	US-10-196-755-441	Sequence 441, App	220	18	1.5	1579	15	US-10-180-543-441	Sequence 441, App
C 148	18	1.5	1579	13	US-10-196-757-441	Sequence 441, App	221	18	1.5	1579	15	US-10-180-544-441	Sequence 441, App
C 149	18	1.5	1579	13	US-10-197-704-441	Sequence 441, App	222	18	1.5	1579	15	US-10-180-545-441	Sequence 441, App
C 150	18	1.5	1579	13	US-10-197-710-441	Sequence 441, App	223	18	1.5	1579	15	US-10-180-549-441	Sequence 441, App
C 151	18	1.5	1579	13	US-10-198-738-441	Sequence 441, App	224	18	1.5	1579	15	US-10-180-553-441	Sequence 441, App
C 152	18	1.5	1579	13	US-10-198-766-441	Sequence 441, App	225	18	1.5	1579	15	US-10-180-559-441	Sequence 441, App
C 153	18	1.5	1579	13	US-10-199-304-441	Sequence 441, App	226	18	1.5	1579	15	US-10-181-000-441	Sequence 441, App
C 154	18	1.5	1579	13	US-10-199-309-441	Sequence 441, App	227	18	1.5	1579	15	US-10-183-010-441	Sequence 441, App
C 155	18	1.5	1579	13	US-10-199-313-441	Sequence 441, App	228	18	1.5	1579	15	US-10-183-012-441	Sequence 441, App
C 156	18	1.5	1579	13	US-10-199-456-441	Sequence 441, App	229	18	1.5	1579	15	US-10-184-614-441	Sequence 441, App
C 157	18	1.5	1579	13	US-10-201-329-441	Sequence 441, App	230	18	1.5	1579	15	US-10-184-623-441	Sequence 441, App
C 158	18	1.5	1579	13	US-10-202-412-441	Sequence 441, App	231	18	1.5	1579	15	US-10-184-633-441	Sequence 441, App
C 159	18	1.5	1579	13	US-10-206-919-441	Sequence 441, App	232	18	1.5	1579	15	US-10-184-637-441	Sequence 441, App
C 160	18	1.5	1579	13	US-10-206-922-441	Sequence 441, App	233	18	1.5	1579	15	US-10-184-637-441	Sequence 441, App

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291 18 1.5 1579 15 US-10-195-897-441 Sequence 441, App
292 18 1.5 1579 15 US-10-195-901-441 Sequence 441, App
293 18 1.5 1579 15 US-10-195-902-441 Sequence 441, App
294 18 1.5 1579 15 US-10-196-743-441 Sequence 441, App
295 18 1.5 1579 15 US-10-196-760-441 Sequence 441, App
296 18 1.5 1579 15 US-10-173-708-441 Sequence 441, App
297 18 1.5 1579 15 US-10-176-479-441 Sequence 441, App
298 18 1.5 1579 15 US-10-176-748-441 Sequence 441, App
299 18 1.5 1579 15 US-10-176-816-441 Sequence 441, App
300 18 1.5 1579 15 US-10-179-507-441 Sequence 441, App

ALIGNMENTS

US-09-939-853A-74
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Query Match 100.0%; Score 1183; DB 13; Length 1183;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1183; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGCTAGAGCTCCAAAGACCCACCGCTGTCTGTGTGACAGAGCTCAAGGGCCCTGGG 60

Db 1 AGCTAGAGCTCCAAAGACCCACCGCTGTCTGTGTGACAGAGCTCAAGGGCCCTGGG 60

Qy 61 CTTTCCCTCCCTGGCTGCTGGGAGGGTTCCTCCAGTCCCAAGTCCCTTAGGAG 120

Db 61 CTTTCCCTCCCTGGCTGCTGGGAGGGTTCCTCCAGTCCCAAGTCCCTTAGGAG 120

Qy 121 CATGGGCGAGCTGATCCATCCCTGGTGTACAAACTGCTGACAGAGATGCTGAGCT 180

Db 121 CATGGGCGAGCTGATCCATCCCTGGTGTACAAACTGCTGACAGAGATGCTGAGCT 180

Qy 181 ACCCAACCAACACCTAGCTCTCCCTGAAGATCTCCAGGCTCCAGAGATGCTGGGTG 240

Db 181 ACCCAACCAACACCTAGCTCTCCCTGAAGATCTCCAGGCTCCAGAGATGCTGGGTG 240

Qy 241 TCCTAGACCAAGACACTGCGCAGACTTCCAGAGGGCCCCCAAGCCCTAACCTGTCCA 300

Db 241 TCCTAGACCAAGACACTGCGCAGACTTCCAGAGGGCCCCCAAGCCCTAACCTGTCCA 300

Qy 301 GCCAGAGCATGCTCTCAGCAGAGCTGTCTTCCCAAGCCCTTGTATGACAAACCAATTTC 360

Db 301 GCCAGAGCATGCTCTCAGCAGAGCTGTCTTCCCAAGCCCTTGTATGACAAACCAATTTC 360

Qy 361 CTGATGATGCTCTTCTGAGTGTCTGAGGAAACAATGGGAAGTCTGCCAGAGCAAG 420

Db 361 CTGATGATGCTCTTCTGAGTGTCTGAGGAAACAATGGGAAGTCTGCCAGAGCAAG 420

Qy 421 AAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTCCAAGGCCAGGACCTGTGACCAT 480

Db 421 AAAATCTCTCCCAAGCCCAAGCTTGAGTTCTCTGTCCAAGGCCAGGACCTGTGACCAT 480

Qy 481 GGAAGCAGAGAGCAAGCAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGGTGGCCC 540

Db 481 GGAAGCAGAGAGCAAGCAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGGTGGCCC 540

Qy 541 GGCCGAGCTCTGCTGAGACTCGGGGAGCATTGACCATCGTCTCTGAGGATGGAGACTG 600

Db 541 GGCCGAGCTCTGCTGAGACTCGGGGAGCATTGACCATCGTCTCTGAGGATGGAGACTG 600

Qy 601 GTGGACGGTCTCTGTAAGTCTCAGCAGAGAGTATAATCCCGCAGCGTCCACGTGGG 660

Db 601 GTGGACGGTCTCTGTAAGTCTCAGCAGAGAGTATAATCCCGCAGCGTCCACGTGGG 660

QY	661	CAAAGTCTCCATGGGTGGTCTGTATGACGGCCCTGAGCAGGGAGAAAGCAGAGGAACTGCT	720
Db	661	CAAAGTCTCCATGGGTGGTCTGTATGAGGGCTGAGCAGGGAGAAAGCAGAGGAACTGCT	720
QY	721	GTGTTTACCTGGGAAACCCCTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGAGAGG	780
Db	721	GTGTTTACCTGGGAAACCCCTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGAGAGG	780
QY	781	CTCTTACTCTCTGTAGTCGGCTCAGCCGCTGATCCCTGATCTGGGACCGGATCAGACACTA	840
Db	781	CTCTTACTCTCTGTAGTCGGCTCAGCCGCTGATCCCTGATCTGGGACCGGATCAGACACTA	840
QY	841	CAGGATCCACTGCTTGACAAATGGCTGGCTGTACATCTCACCGCGCTCACCTTCCCTC	900
Db	841	CAGGATCCACTGCTTGACAAATGGCTGGCTGTACATCTCACCGCGCTCACCTTCCCTC	900
QY	901	ACTCCAGGCGCTGGTGGACATTAATCTAGCTGGGAGATGACATCTGCTGCTTACTCAA	960
Db	901	ACTCCAGGCGCTGGTGGACATTAATCTAGCTGGGAGATGACATCTGCTGCTTACTCAA	960
QY	961	GGAGCCCTGTCTCTGACAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT	1020
Db	961	GGAGCCCTGTCTCTGACAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT	1020
QY	1021	GACTGTGACAGGACACCACTCAATGGAAAGAGCTGGACAGCTCCCTCTGTTTCTGA	1080
Db	1021	GACTGTGACAGGACACCACTCAATGGAAAGAGCTGGACAGCTCCCTCTGTTTCTGA	1080
QY	1081	AGCTGCCACAGGGAGAGCTCTCTCTCAGTGAGGCTCTCCGGAGTCCCTCAGCTTCTTA	1140
Db	1081	AGCTGCCACAGGGAGAGCTCTCTCTCAGTGAGGCTCTCCGGAGTCTCCGGAGTCCCTCAGCTTCTTA	1140
QY	1141	CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCTAG	1183
Db	1141	CATCAGCCTGAATGACGAGGCTGTCTCTTTGGATGATGCTAG	1183

RESULT 2
US-09-939-853A-76/c
; Sequence 76, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939, 853A
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

Query Match	100.0%;	Score 1183;	DB 13;	Length 1183;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1183;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	AGCTAGAGCTCCAGGACCCAGCCCTGTGTCTCTGTGACAGAGCTCAAGAGGCGCTGGG	60
Db	1183	AGCTAGAGCTCCAGGACCCAGCCCTGTGTCTCTGTGACAGAGCTCAAGAGGCGCTGGG	1124
QY	61	CTTCCCTCCCTGGCTGGTGTCTTGGAGGTTCCCGAGTCCAGAAATCCCTAAGGAG	120
Db			

Db	1123	CTTCCCTCCCTGGCTGGTGTCTTGGAGGTTCCCGAGTCCAGAAATCCCTAAGGAG	1064
QY	121	CATGGGGCAGCTCATCATCCCTGGTGTATAAACTCTGACTCTGACATGCAGACAGATGCTGAGCT	180
Db	1063	CATGGGGCAGCTCATCATCCCTGGTGTATAAACTCTGACTCTGACATGCAGACAGATGCTGAGCT	1004
QY	181	ACCCAAACCAACACCTTAGGCTCTCCCTGAAAGATCCCTCCAGGCTGAGAGAGTTCTGGGTG	240
Db	1003	ACCCAAACCAACACCTTAGGCTCTCCCTGAAAGATCCCTCCAGGCTGAGAGAGTTCTGGGTG	944
QY	241	TCCTAGGACCAAGGACACTGGCAGATTCCAGAAAGGCCCCCAAAGCCCTTAACCTGTCCA	300
Db	943	TCCTAGGACCAAGGACACTGGCAGATTCCAGAAAGGCCCCCAAAGCCCTTAACCTGTCCA	884
QY	301	GCCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCAAAGCCTTTGATGACAAAACAAATTTCC	360
Db	883	GCCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCAAAGCCTTTGATGACAAAACAAATTTCC	824
QY	361	CTCGATGATGTCTTCTGAGTGTCTGCTGAGAAACAATGGGAAGTCTCCCGCAGCAGAAG	420
Db	823	CTCGATGATGTCTTCTGAGTGTCTGCTGAGAAACAATGGGAAGTCTCCCGCAGCAGAAG	764
QY	421	AAATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGTCCAAAGCCAGGACCTGTGACCAT	480
Db	763	AAATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGTCCAAAGCCAGGACCTGTGACCAT	704
QY	481	GGAAAGCAGAGAGAACCAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGGTTGGCCC	540
Db	703	GGAAAGCAGAGAGAACCAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGCAGGTTGGCCC	644
QY	541	GGCCGAGCTGTCTGCTGAGACTCGGGAGCCATTGACATCGTCTCTGAGGATGGAGACTG	600
Db	643	GGCCGAGCTGTCTGCTGAGACTCGGGAGCCATTGACATCGTCTCTGAGGATGGAGACTG	584
QY	601	GTGACCGGTGTCTGTGAAGTCTCAGCAGAGAGTATACATCCCGCAGCGTCCACCTGGG	660
Db	583	GTGACCGGTGTCTGTGAAGTCTCAGCAGAGAGTATACATCCCGCAGCGTCCACCTGGG	524
QY	661	CAAGTCTCCATGGGTGGTGTATGAGGCGCTGAGCAGGGAGAAAGCAGAGAACTGCT	720
Db	523	CAAGTCTCCATGGGTGGTGTATGAGGCGCTGAGCAGGGAGAAAGCAGAGAACTGCT	464
QY	721	GTTTACTACCTGGGAACCCCTGGAGGGGCTTCTCTCATCCGGGAGAGCCAGACAGGAGG	780
Db	463	GTTTACTACCTGGGAACCCCTGGAGGGGCTTCTCTCATCCGGGAGAGCCAGACAGGAGG	404
QY	781	CTCTTACTCTGTCTGACGCTCGCCCTCAGCCGCTGATCTCTGGAGCCGATCAGACACTA	840
Db	403	CTCTTACTCTGTCTGACGCTCGCCCTCAGCCGCTGATCTCTGGAGCCGATCAGACACTA	344
QY	841	CAGGATCCACTGCGCTTGACAAATGGCTGGCTGTATCTCATCCGCGCTCACCTTCCCTC	900
Db	343	CAGGATCCACTGCGCTTGACAAATGGCTGGCTGTATCTCATCCGCGCTCACCTTCCCTC	284
QY	901	ACTCCAGGCGCTGTGAGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTACTCA	960
Db	283	ACTCCAGGCGCTGTGAGACCAATTAATCTGAGCTGGCGGATGACATCTGCTGCTTACTCA	224
QY	961	GGAGCCCTGTCTCTGACAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT	1020
Db	223	GGAGCCCTGTCTCTGACAGAGGCTGGCCGCTTCCCTGGCAAGGATATACCCCTACCTGT	164
QY	1021	GACTGTGACAGGACACCACTCAATCTGGAAGAGCTGGAGAGTCTCCCTCTGTTTCTGA	1080
Db	163	GACTGTGACAGGACACCACTCAATCTGGAAGAGCTGGAGAGTCTCCCTCTGTTTCTGA	104
QY	1081	AGCTGCCACAGGGAGAGTCTCTTCTCAGTGAGGCTCTCCGGAGTCCCTCAGCTTCTTA	1140
Db	103	AGCTGCCACAGGGAGAGTCTCTTCTCAGTGAGGCTCTCCGGAGTCCCTCAGCTTCTTA	44
QY	1141	CATCAGCCTGAATGACGAGGCTGTCTTTGGATGATGCTAG	1183
Db	43	CATCAGCCTGAATGACGAGGCTGTCTTTGGATGATGCTAG	1

QY 62 CTTCCCTCCCTGGCTGGCTGTGCTGGAGGGTTCCCAAGTCCAGAAATCCCTAAGGAGC 121
Db CTTCCCTCCCTGGCTGGCTGTGCTGGAGGGTTCCCAAGTCCAGAAATCCCTAAGGAGC 173
QY 122 ATGGGGCAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTGAGCTA 181
Db ATGGGGCAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTGAGCTA 233
QY 182 CCCAAACCAACACCTAGACCTCTCCCTGAAAGATCTCCCAAGGCTGAGAGAGTTCTGGGTGT 241
Db CCCAAACCAACACCTAGACCTCTCCCTGAAAGATCTCCCAAGGCTGAGAGAGTTCTGGGTGT 293
QY 242 CTTAGACCAAGGACACTGGGAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTGTCCAG 301
Db CTTAGACCAAGGACACTGGGAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTGTCCAG 353
QY 302 CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCCTTTGATGACAAACCAATTTCCC 361
Db CCAGAGCATGCGTCTCAGCAGAGCTGTCTTCCCAAGCCCTTTGATGACAAACCAATTTCCC 413
QY 362 TCGATGATGTCTTTGAGTGTCTGCTGAGGAA CAATGGGAGGTCTGCCCAGCAGAGA 421
Db TCGATGATGTCTTTGAGTGTCTGCTGAGGAA CAATGGGAGGTCTGCCCAGCAGAGA 473
QY 422 AATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGTTCCCAAGCCCTTTGATGACAAACCAATTTCCC 481
Db AATCTCTGCCAAGCCCAAGCTTGAGTTCTCTGTTCCCAAGCCCTTTGATGACAAACCAATTTCCC 533
QY 482 GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGAGTGGCCCG 541
Db GAAGCAGAGAGAGCAAGGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGAGTGGCCCG 593
QY 542 GCGAGCTGTCCGTGAGACTCGGGAGCCATTGACCATGCTCTGAGGATGAGACTGG 601
Db GCGAGCTGTCCGTGAGACTCGGGAGCCATTGACCATGCTCTGAGGATGAGACTGG 653
QY 602 TGGACCGTGTCTGAGTCTCAGCAGAGAGTATAACATCCCAAGGCTCCACGTGGCC 661
Db TGGACCGTGTCTGAGTCTCAGCAGAGAGTATAACATCCCAAGGCTCCACGTGGCC 713
QY 662 AAGTCTCCATGGGTGGTGTATAGGGCCCTGAGCAGGAGAGAGAGAACTGTGT 721
Db AAGTCTCCATGGGTGGTGTATAGGGCCCTGAGCAGGAGAGAGAGAACTGTGT 773
QY 722 TTGTACCTGGGAACCTCGAGGGGCTTCTCATCCGGGAGAGCAGACCAAGGA 776
Db TTGTACCTGGGAACCTCGAGGGGCTTCTCATCCGGGAGAGCAGACCAAGGA 828

RESULT 5
US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Query Match 55.5%; Score 657; DB 9; Length 763;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 757; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 117 GGAGCATGGGGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTG 176
Db 5 GGAGCATGGGGAGCTGATCCATCCCTGGTGTACAACTGCTGACTGCACACAGATGCTG 64
QY 177 AGTATACCCAAACCAACACCTAGACCTCTCCCTGAAAGATCTCCCAAGGCTGAGAGAGTGT 236
Db 65 AGTATACCCAAACCAACACCTAGACCTCTCCCTGAAAGATCTCCCAAGGCTGAGAGAGTGT 124
QY 237 GGTGTCTTAGGACCAAGGACACTGGCAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTG 296
Db 125 GATGTCTTAGGACCAAGGACACTGGCAGACTTCCAGAAAGGGCCCCAAAGCCCTTAACCTG 184
QY 297 TCCAGCAGAGCATGCTGTCTCAGCAGAGCTGTCTTCCCAAGCCCTTTGATGACAAACCAAT 356
Db 185 TCCAGCAGAGCATGCTGTCTCAGCAGAGCTGTCTTCCCAAGCCCTTTGATGACAAACCAAT 244
QY 357 TTCCTCTGATGATGTCTTCTGAGTGTCTTCTGAGGAA CAATGGGAGGTCTGCCCAGCA 416
Db 245 TTCCTCTGATGATGTCTTCTGAGTGTCTTCTGAGGAA CAATGGGAGGTCTGCCCAGCA 304
QY 417 GAAGAAATCTCTGCAAGCCCAAGCTTGAGTTCTCTGTTCCCAAGCCCAAGGACCTGTGA 476
Db 305 GAAGAAATCTCTGCAAGCCCAAGCTTGAGTTCTCTGTTCCCAAGCCCAAGGACCTGTGA 364
QY 477 CCATGGAAGCAGAGAGAAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGGTG 536
Db 365 CCATGGAAGCAGAGAGAAAGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGGTG 424
QY 537 GCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATGCTCTGAGGATGGAG 596
Db 425 GCCCGCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATGCTCTGAGGATGGAG 484
QY 597 ACTGGTGGAGCGTGTCTGTAAGTCTCAGGACAGAGATATAACATCCCAAGGCTCCAG 656
Db 485 ACTGGTGGAGCGTGTCTGTAAGTCTCAGGACAGAGATATAACATCCCAAGGCTCCAG 544
QY 657 TGGGCAAGTCTCCCATGGTGTCTGATCAGGGCTGAGCAGGGAGAGAAAGCAGAGGAAC 716
Db 545 TGGGCAAGTCTCCCATGGTGTCTGATCAGGGCTGAGCAGGGAGAGAAAGCAGAGGAAC 604
QY 717 TGCTGTTGTTTACCTGGGAAACCTTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGGA 776
Db 605 TGCTGTTGTTTACCTGGGAAACCTTGGAGGGGCTTCTCATCCGGGAGAGCCAGACAGGA 664
QY 777 GAGGCTTTACTCTCTGTGTCAGTCCGCTCAGCGCCCTGATCTCTGGGAGCCGATCAGAC 836
Db 665 GAGGCTTTACTCTCTGTGTCAGTCCGCTCAGCGCCCTGATCTCTGGGAGCCGATCAGAC 724
QY 837 ACTACAGGATCCACTGCTGTTGACAAATGGGTGGGTGTACA 875
Db 725 ACTACAGGATCCACTGCTGTTGACAAATGGGTGGGTGTACA 763
RESULT 6
US-10-415-635-120
; Sequence 120, Application US/10115635
; Publication No. US20040137434A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Zhao, Qing A.
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong

APPLICANT: Wehrman, Tom
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 797CON
CURRENT APPLICATION NUMBER: US/10/115,635
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 09/714,936
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 362
SOFTWARE: Pf-FL_genes version 2.0
SEQ ID NO 120
LENGTH: 1413
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (54)...(686)
US-10-115-635-120

Query Match 39.6%; Score 468; DB 17; Length 1413;
Best Local Similarity 99.6%; Pred. No. 8.1e-229;
Matches 568; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 345 TGACAAACCAATTCCTCGATGATGCTTCTGAGTGTCTGCTGAGAGCAATGGGAA 404
Db 1 TGACAAACCAATTCCTCGATGATGCTTCTGAGTGTCTGCTGAGAGCAATGGGAG 60
QY 405 GTCTGCCAGCAGAGAAATCTGCCAAGCCCAAGCTTGAGTTCTCTGTCGAAGCC 464
Db 61 GTCTGCCAGCAGAGAAATCTGCCAAGCCCAAGCTTGAGTTCTCTGTCGAAGCC 120
QY 465 AGGGACCTGTGACCATGGAAGCAGAGAGAGCAAGGCCACAGCCGTGCCCTGGCAGTT 524
Db 121 AGGGACCTGTGACCATGGAAGCAGAGAGAGCAAGGCCACAGCCGTGCCCTGGCAGTT 180
QY 525 TCCCGCAGGTGGCCGCGGAGCTGCTGAGACTCGGGAGGCCATGGCCATCGTCT 584
Db 181 TCCCGCAGGTGGCCGCGGAGCTGCTGAGACTCGGGAGGCCATGGCCATCGTCT 240
QY 585 CTGAGGATGGAGACTGGTGAGCGGTGCTGCTGAAAGTCTCAGGCAGAGATATACATCC 644
Db 241 CTGAGGATGGAGACTGGTGAGCGGTGCTGCTGAAAGTCTCAGGCAGAGATATACATCC 300
QY 645 CCAGGTCACGTGGGCAAGTCTCCATGGTGCTGTATGAGGGCTGAGCAGGGAGA 704
Db 301 CCAGGTCACGTGGGCAAGTCTCCATGGTGCTGTATGAGGGCTGAGCAGGGAGA 360
QY 705 AAGCAGAGAACTGCTGTTGTTTACCTGGGAACCTTGGAGGGGCTTCTCTATCCGGGAGA 764
Db 361 AAGCAGAGAACTGCTGTTGTTTACCTGGGAACCTTGGAGGGGCTTCTCTATCCGGGAGA 420
QY 765 GCCAGACAGGAGAGGCTTTACTCTGTCAGTCCGCTCAGCCGCTGCATCCTGGG 824
Db 421 GCCAGACAGGAGAGGCTTTACTCTGTCAGTCCGCTCAGCCGCTGCATCCTGGG 480
QY 825 ACCGGATCAGACACTACAGGATCCACTGCAATGGCTGGCTGACATCTCACCGC 884
Db 481 ACCGGATCAGACACTACAGGATCCACTGCAATGGCTGGCTGACATCTCACCGC 540
QY 885 GCGTCACCTTCCCTCACTCCAGGCGCTGG 914
Db 541 GCGTCACCTTCCCTCACTCCAGGCGCTGG 570

RESULT 7

US-09-867-550-951
Sequence 951, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Fuad,
APPLICANT: Conley, Pamela

APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 951
LENGTH: 444
TYPE: DNA
ORGANISM: Homo sapiens
US-09-867-550-951

Query Match 29.4%; Score 348; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 2.3e-167;
Matches 348; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 CCTAGGACCAAGGACACTGGCAGACTTCCAGAGAGGGCCCCAAAGCCCTAACCTGTCCAG 301
Db 1 CCTAGGACCAAGGACACTGGCAGACTTCCAGAGAGGGCCCCAAAGCCCTAACCTGTCCAG 60
QY 302 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 361
Db 61 CCAGAGCATCGTCTCAGCAGAGCTGTCTTCCCAAGCCTTTGATGACAAACCAATTTCCC 120
QY 362 TCGATGATGTCTCTCAGTGTCTCTGCTGAGGACATGGAAGTCTGCCACGACAGAGA 421
Db 121 TCGATGATGTCTCTCAGTGTCTCTGCTGAGGACATGGAAGTCTGCCACGACAGAGA 180
QY 422 AAATCTCTGCAAGCCCAAGCTTGAAGTCTCTGCTCAAGGCCAGGACCTGTGACCATG 481
Db 181 AAATCTCTGCAAGCCCAAGCTTGAAGTCTCTGCTCAAGGCCAGGACCTGTGACCATG 240
QY 482 GAAGCAGAGAGACAGAGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGTGGCCCG 541
Db 241 GAAGCAGAGAGACAGAGCCACAGCCGTGGCCCTGGGAGTTTCCCGGAGTGGCCCG 300
QY 542 GCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCTCTCTGAG 589
Db 301 GCCGAGCTGTGCTGAGACTCGGGAGCCATTGACCATCTCTCTGAG 348

RESULT 8

US-09-867-550-1915
Sequence 1915, Application US/09867550
Patent No. US20020082206A1
GENERAL INFORMATION:
APPLICANT: Leach, Martin D.
APPLICANT: Mehraban, Fuad,
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James
TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
TITLE OF INVENTION: Thereby
FILE REFERENCE: 21402-013 (Cura-313)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: USSN 60/208,427
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1915
LENGTH: 875
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)
OTHER INFORMATION: Wherein n is one of a or t or c or g

US-09-867-550-1915

Query Match 28.8%; Score 341; DB 9; Length 875;
Best Local Similarity 100.0%; Pred. No. 7.9e-164;
Matches 341; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 843 GGATCCACTGCTTGCAATGCTGCTGATCATCTCACCGGCGCTCACTTCCCTCCAC 902
Db 2 GGATCCACTGCTTGCAATGCTGCTGATCATCTCACCGGCGCTCACTTCCCTCCAC 61
Qy 903 TCAGGCGCTTGCTGACCACTTACTCTGAGCTGGCGGATGACATCTGCTCTCAAGG 962
Db 62 TCAGGCGCTTGCTGACCACTTACTCTGAGCTGGCGGATGACATCTGCTCTCAAGG 121
Qy 963 AGCCCTGTCTGCTGACAGGCTGGCCCTCCCTGGCGAGGATATACCTTACCTGTGA 1022
Db 122 AGCCCTGTCTGCTGACAGGCTGGCCCTCCCTGGCGAGGATATACCTTACCTGTGA 181
Qy 1023 CTGTGACAGGACACCACTCAACTGAAAGCTGACAGCTCCCTCTCTGTTTCTGAAG 1082
Db 182 CTGTGACAGGACACCACTCAACTGAAAGCTGACAGCTCCCTCTCTGTTTCTGAAG 241
Qy 1083 CTGCCACAGGAGGAGTCTTCTCAGTGAGGCTCTCGGAGTCCCTCAGCTTCTACA 1142
Db 242 CTGCCACAGGAGGAGTCTTCTCAGTGAGGCTCTCGGAGTCCCTCAGCTTCTACA 301
Qy 1143 TCAGCCTGATGACGAGGCTGCTCTTCTTGGATGATGCTTAG 1183
Db 302 TCAGCCTGATGACGAGGCTGCTCTTGGATGATGCTTAG 342

RESULT 9

US-09-864-761-2829
; Sequence 2829, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aomic-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2829
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3
US-09-864-761-2829

Query Match 11.3%; Score 134; DB 9; Length 432;

Best Local Similarity 100.0%; Pred. No. 6.5e-58;
Matches 134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 929 GAGCTGCGGATGACATCTGCTGCTCAAGAGCCCTGTCTCTGAGAGGGCTGCG 988
Db 270 GAGCTGCGGATGACATCTGCTGCTCAAGAGCCCTGTCTCTGAGAGGGCTGCG 329
Qy 989 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACGTGTCAGAGGACACCCTCACTG 1048
Db 330 CCGCTCCCTGGCAAGGATATACCCCTACCTGTGACGTGTCAGAGGACACCCTCACTG 389
Qy 1049 AAAGAGCTGGACAG 1062
Db 390 AAAGAGCTGGACAG 403

RESULT 10

US-09-864-761-15513
; Sequence 15513, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aomic-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15513
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
; US-09-864-761-15513

Query Match
Best Local Similarity 100.0%; Score 134; DB 9; Length 448;
Matches 134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 GAGTCGGCGGATGACATCTGCTGCTCAAGAGCCCTGCTGCTGCGAGGGCTGGC 988
Db 286 GAGCTGGCGGATGACATCTGCTGCTCAAGAGCCCTGCTGCTGCGAGGGCTGGC 345
QY 989 CGCTCCCTGGCAAGATATACCCCTACCTGCTGCTGCGAGGACCACTCAACTGG 1048
Db 346 CGCTCCCTGGCAAGATATACCCCTACCTGCTGCTGCTGCGAGGACCACTCAACTGG 405
QY 1049 AAAGAGCTGGACAG 1062
Db 406 AAAGAGCTGGACAG 419

RESULT 11
US-09-864-761-19612
; Sequence 19612, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecmics-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19612
; LENGTH: 96
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031662.24
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3
; OTHER INFORMATION: NT HIT: AF000716.1, EVALUATE 1.70e-01
; OTHER INFORMATION: EST_HUMAN HIT: A1125308.1, EVALUATE 2.10e-01
; US-09-864-761-19612

Query Match
Best Local Similarity 100.0%; Score 96; DB 9; Length 96;
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 967 CTGTGCTCTGACAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGACTGT 1026
Db 1 CTGTGCTCTGACAGGGCTGGCCCGCTCCCTGGCAAGGATATACCCCTACCTGACTGT 60
QY 1027 GCAGAGGACACCACTCACTGGAAGAGCTGGACAG 1062
Db 61 GCAGAGGACACCACTCACTGGAAGAGCTGGACAG 96

RESULT 12
US-09-814-353-17314
; Sequence 17314, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND

US-10-062-674-2188/c
; Sequence 2188, Application US/10062674
; Publication No. US2004000559A1

US-10-027-632-195852/c
; Sequence 195852, Application US/10027632

Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,006
PRIOR FILING DATE: 2000-04-30
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 195852
LENGTH: 611
TYPE: DNA
ORGANISM: Human
US-10-027-632-195852

Query Match 1.7%; Score 20; DB 13; Length 611;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 256 CACTGGCAGACTTCCAGAG 275
Db 503 CACTGGCAGACTTCCAGAG 484

RESULT 20
US-10-027-632-195852/c
Sequence 195852, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 195852
LENGTH: 611
TYPE: DNA
ORGANISM: Human
US-10-027-632-195852

Query Match 1.7%; Score 20; DB 16; Length 611;

Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 256 CACTGGCAGACTTCCAGAG 275
Db 503 CACTGGCAGACTTCCAGAG 484

RESULT 21
US-10-027-632-107077
Sequence 107077, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 107077
LENGTH: 672
TYPE: DNA
ORGANISM: Human
US-10-027-632-107077

Query Match 1.7%; Score 20; DB 13; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCTCATCCGGAGAC 766
Db 71 CCTTCTCATCCGGAGAC 90

RESULT 22
US-10-027-632-142058
Sequence 142058, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/156,358

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; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142058
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142058

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 71 CCTTCCTCATCCGGGAGAGC 90

RESULT 23
US-10-027-632-142059
; Sequence 142059, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142059
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142059

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 71 CCTTCCTCATCCGGGAGAGC 90

RESULT 24
US-10-027-632-142060
; Sequence 142060, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
```

```

; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142060
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142060

Query Match
Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 71 CCTTCCTCATCCGGGAGAGC 90

RESULT 25
US-10-027-632-107077
; Sequence 107077, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107077
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-107077

Query Match
Best Local Similarity 1.7%; Score 20; DB 16; Length 672;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 71 CCTTCCTCATCCGGGAGAGC 90

RESULT 26
```

```
US-10-027-632-142058
; Sequence 142058, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142058
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142058
```

```
Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 747 CCTTCCTCATCCGGGAGGC 766
| | | | | | | | | | | | | | | | | |
Db 71 CCTTCCTCATCCGGGAGGC 90
```

```
RESULT 27
US-10-027-632-142059
; Sequence 142059, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142059
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142059
```

```
Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
| | | | | | | | | | | | | | | | | |
Db 71 CCTTCCTCATCCGGGAGGC 90
```

```
RESULT 28
US-10-027-632-142060
; Sequence 142060, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142060
; LENGTH: 672
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-142060
```

```
Query Match 1.7%; Score 20; DB 16; Length 672;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 747 CCTTCCTCATCCGGGAGGC 766
| | | | | | | | | | | | | | | | | |
Db 71 CCTTCCTCATCCGGGAGGC 90
```

```
RESULT 29
US-10-027-632-26286
; Sequence 26286, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
```



```
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26286
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-26286
```

```
Query Match 1.7%; Score 20; DB 13; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 72 CCTTCCTCATCCGGGAGAGC 91
```

RESULT 30

```
US-10-027-632-26286
; Sequence 26286, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2003-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26286
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-26286
```

```
Query Match 1.7%; Score 20; DB 16; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 72 CCTTCCTCATCCGGGAGAGC 91
```

RESULT 31

```
US-10-260-238-640
; Sequence 640, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Grazebrook, Jane
```

```
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagizi, Fumiaki
; APPLICANT: Kreps, Joel
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO 640
; LENGTH: 934
; TYPE: DNA
; ORGANISM: Oryza sativa
```

```
; FEATURE:
; NAME/KEY: N region
; LOCATION: (618)..(618)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N region
; LOCATION: (622)..(622)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N region
; LOCATION: (816)..(816)
; OTHER INFORMATION: n = any nucleotide
US-10-260-238-640
```

```
Query Match 1.7%; Score 20; DB 16; Length 934;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 538 CCGGCCGAGCTGCTCGTGA 557
Db 421 CCGGCCGAGCTGCTCGTGA 440
```

RESULT 32

```
US-09-997-722-234
; Sequence 234, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 234
; LENGTH: 1530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-997-722-234
```

```
Query Match 1.7%; Score 20; DB 12; Length 1530;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
|||||
```

Db 449 CCTTCCTCATCCGGGAGAGC 468

RESULT 33

US-10-437-963-39229

Sequence 39229, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kowalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 39229

LENGTH: 1636

TYPE: DNA

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT4530_42790C.1

US-10-437-963-39229

Query Match 1.7%; Score 20; DB 17; Length 1636;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 538 CCGGCCGAGCTGCGCTGA 557

Db 821 CCGGCCGAGCTGCGCTGA 840

RESULT 34

US-10-316-515-76

Sequence 76, Application US/10316515

Publication No. US20040116365A1

GENERAL INFORMATION:

APPLICANT: Alexander H. Borchers

APPLICANT: Susan M. Freier

TITLE OF INVENTION: MODULATION OF LCK EXPRESSION

FILE REFERENCE: RFS-0344

CURRENT APPLICATION NUMBER: US/10/316,515

CURRENT FILING DATE: 2002-12-10

NUMBER OF SEQ ID NOS: 76

SEQ ID NO 76

LENGTH: 1879

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

US-10-316-515-76

Query Match 1.7%; Score 20; DB 17; Length 1879;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 500 CCTTCCTCATCCGGGAGAGC 519

RESULT 35

US-10-062-674-1776

Sequence 1776, Application US/10062674

Publication No. US20040005559A1

GENERAL INFORMATION:

APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.

TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS

FILE REFERENCE: PA-0026-1 CIP

CURRENT APPLICATION NUMBER: US/10/062,674

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: US 09/625,102

PRIOR FILING DATE: 2000-07-24

NUMBER OF SEQ ID NOS: 2217

SOFTWARE: PERL Program

SEQ ID NO 1776

LENGTH: 2017

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. US20040005559A1 245648.12

US-10-062-674-1776

Query Match 1.7%; Score 20; DB 16; Length 2017;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 549 CCTTCCTCATCCGGGAGAGC 568

RESULT 36

US-09-997-722-233

Sequence 233, Application US/09997722

Publication No. US20040072154A1

GENERAL INFORMATION:

APPLICANT: Morris, David

APPLICANT: Eggehard, Eric

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER

FILE REFERENCE: A-71171/RMS/DCF

CURRENT APPLICATION NUMBER: US/09/997,722

CURRENT FILING DATE: 2001-11-30

PRIOR APPLICATION NUMBER: US 09/747,377

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: US 09/798,586

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 301

SOFTWARE: PatentIn version 3.1

SEQ ID NO 233

LENGTH: 2032

TYPE: DNA

ORGANISM: Homo sapiens

US-09-997-722-233

Query Match 1.7%; Score 20; DB 12; Length 2032;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGAGC 766

Db 500 CCTTCCTCATCCGGGAGAGC 519

RESULT 37

US-10-366-288-27

Sequence 27, Application US/10366288

Publication No. US20030216288A1

GENERAL INFORMATION:

APPLICANT: Powell, Douglas

APPLICANT: Reich, Nadine S.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING

TITLE OF INVENTION: AIDS AND HIV-RELATED DISORDERS USING 1414, 1481, 1553,

TITLE OF INVENTION: 34002, 1720, 1683, 1552, 1682, 1675, 12825, 9952, 5816,

TITLE OF INVENTION: 10002, 1611, 1371, 14324, 126, 270, 312, 167, 326, 18926,

TITLE OF INVENTION: 6747, 1793, 1784 OR 2045 MOLECULES

FILE REFERENCE: MPI02-025P1RNMNM

CURRENT APPLICATION NUMBER: US/10/366,288

CURRENT FILING DATE: 2003-02-13

```
; PRIOR APPLICATION NUMBER: 60/357,391
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/380,249
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 60/391,306
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: 60/406,297
; PRIOR FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: 60/412,007
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/417,508
; PRIOR FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 60/432,318
; PRIOR FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-366-288-27
```

```
Query Match 1.7%; Score 20; DB 16; Length 2032;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 500 CCTTCCTCATCCGGGAGAGC 519
```

```
RESULT 38
US-10-316-515-4
; Sequence 4, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 4
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (52)...(1581)
US-10-316-515-4
```

```
Query Match 1.7%; Score 20; DB 17; Length 2032;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 500 CCTTCCTCATCCGGGAGAGC 519
```

```
RESULT 39
US-09-805-020-3
; Sequence 3, Application US/09805020
; Publication No. US20020086384A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
; FILE REFERENCE: 2786-0168P
; CURRENT APPLICATION NUMBER: US/09/805,020
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 72
```

```
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2034
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(2034)
; OTHER INFORMATION: any n = a,c,g,t any unknown or other
US-09-805-020-3
```

```
Query Match 1.7%; Score 20; DB 13; Length 2034;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 562 CCTTCCTCATCCGGGAGAGC 581
```

```
RESULT 40
US-09-960-706-954
; Sequence 954, Application US/09960706
; Publication No. US20030134280A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplas
; FILE REFERENCE: 44921-5029-01US
; CURRENT APPLICATION NUMBER: US/09/960,706
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: 60/223,323
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 09/873,319
; PRIOR FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 954
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134280A1 U23852
US-09-960-706-954
```

```
Query Match 1.7%; Score 20; DB 10; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 747 CCTTCCTCATCCGGGAGAGC 766
Db 508 CCTTCCTCATCCGGGAGAGC 527
```

```
RESULT 41
US-10-305-720-1452
; Sequence 1452, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 1452
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
```

; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 g775207
US-10-305-720-1452

Query Match 1.7%; Score 20; DB 16; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 508 CCTTCCTCATCCGGGAGGC 527

RESULT 42

US-10-316-515-75
; Sequence 75, Application US/10316515
; Publication No. US20040116365A1
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; PRIOR FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO 75
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (60)...(1151)
US-10-316-515-75

Query Match 1.7%; Score 20; DB 17; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 508 CCTTCCTCATCCGGGAGGC 527

RESULT 43

US-09-805-020-4
; Sequence 4, Application US/09805020
; Publication No. US20020086384A1
; GENERAL INFORMATION:
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
; FILE REFERENCE: 2786-0168P
; CURRENT APPLICATION NUMBER: US/09/805,020
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 2282
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)...(2282)
; OTHER INFORMATION: any n = a,c,g,t any unknown or other
US-09-805-020-4

Query Match 1.7%; Score 20; DB 13; Length 2282;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 736 CCTTCCTCATCCGGGAGGC 755

RESULT 44

US-09-997-722-232
; Sequence 232, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
; LENGTH: 31842
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)...(2500)
; OTHER INFORMATION: "n" at positions 1 through 2500 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28552)..(30747)
; OTHER INFORMATION: "n" at positions 28552 through 30747 can be any base.
US-09-997-722-232

Query Match 1.7%; Score 20; DB 12; Length 31842;
Best Local Similarity 100.0%; Pred. No. 7.2; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0

Qy 747 CCTTCCTCATCCGGGAGGC 766
Db 11316 CCTTCCTCATCCGGGAGGC 11335

RESULT 45

US-10-087-192-1438/c
; Sequence 1438, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; PRIOR FILING DATE: 2002-03-01
; CURRENT APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1438
; LENGTH: 177587
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)...(177587)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-1438

Query Match 1.7%; Score 20; DB 13; Length 177587;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 210 AGATCCTCCAGGCTGAGAG 229
|||||
Db 19473 AGATCCTCCAGGCTGAGAG 19454

RESULT 46

US-10-412-277-3
; Sequence 3, Application US/10412277
; Publication No. US20030175791A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO01067DIV
; CURRENT APPLICATION NUMBER: US/10/412,277
; CURRENT FILING DATE: 2003-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(786431)
; OTHER INFORMATION: n = A, T, C or G

US-10-412-277-3

Query Match 1.7%; Score 20; DB 15; Length 786431;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 693 TGACGAGGAGAAAGCAGAG 712
|||||
Db 412751 TGACGAGGAGAAAGCAGAG 412770

RESULT 47

US-09-908-975-4510
; Sequence 4510, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICING
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4510
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-09-908-975-4510

Query Match 1.6%; Score 19; DB 10; Length 65;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 395 ACAATGGAGTGTGCCCA 413
|||||
Db 2 ACAATGGAGTGTGCCCA 20

RESULT 48

US-09-864-761-30106/C
; Sequence 30106, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Shazron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 30106
; LENGTH: 114
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC020596.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
; OTHER INFORMATION: SWISSPROT HIT: P52757, EVALUE 2.00e-09
; OTHER INFORMATION: EST HUMAN HIT: AW950919.1, EVALUE 2.00e-55
; OTHER INFORMATION: NT HIT: g11431079, EVALUE 5.00e-58

Query Match 1.6%; Score 19; DB 9; Length 114;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 751 CCTCATCCGGAGAGCCAG 769
|||||
Db 51 CCTCATCCGGAGAGCCAG 33

RESULT 49
 US-10-072-602B-237
 ; Sequence 237, Application US/10072602B
 ; Publication No. US20030109870A1
 ; GENERAL INFORMATION:
 ; APPLICANT: University of Utah Research Foundation
 ; APPLICANT: Cognetix, Inc.
 ; APPLICANT: Olivera, Baldozero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Watkins, Maren
 ; APPLICANT: Gartett, James E.
 ; APPLICANT: Cruz, Lourdes J.
 ; APPLICANT: Grilley, Michelle
 ; APPLICANT: Schoenfeld, Robert M.
 ; APPLICANT: Walker, Craig
 ; APPLICANT: Shetty, Reshma
 ; APPLICANT: Jones, Robert M.
 ; TITLE OF INVENTION: Cone Snail Peptides
 ; FILE REFERENCE: 2314-249
 ; CURRENT APPLICATION NUMBER: US/10/072,602B
 ; CURRENT FILING DATE: 2002-02-11
 ; PRIOR APPLICATION NUMBER: US 60/267,408
 ; PRIOR FILING DATE: 2001-02-09
 ; NUMBER OF SEQ ID NOS: 638
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 237
 ; LENGTH: 510
 ; TYPE: DNA
 ; ORGANISM: Conus textile
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (223)..(471)
 US-10-072-602B-237

Query Match 1.6%; Score 19; DB 15; Length 510;
 Best Local Similarity 100.0%; Pred. No. 42;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 392 GGACAAATGGGAAGTCG 410
 DB 390 GGACAAATGGGAAGTCG 408

RESULT 50
 US-09-864-761-13565/c
 ; Sequence 13565, Application US/09864761
 ; Patent No. US20020048763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 ; FILE REFERENCE: Aecmca-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR APPLICATION NUMBER: US 09/608,408
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: US 09/774,203
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117
 ; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO 13565
 ; LENGTH: 599
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC020596.2
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
 US-09-864-761-13565

Query Match 1.6%; Score 19; DB 9; Length 599;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CCTCATCCGGAGAGCCAG 769
 DB 75 CCTCATCCGGAGAGCCAG 57

RESULT 51
 US-09-789-561-20/c
 ; Sequence 20, Application US/09789561
 ; Patent No. US20020064818A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni et al.
 ; TITLE OF INVENTION: 52 Human secreted proteins
 ; FILE REFERENCE: PZ043P1
 ; CURRENT APPLICATION NUMBER: US/09/789,561
 ; CURRENT FILING DATE: 2001-02-22
 ; PRIOR APPLICATION NUMBER: PCT/US00/24008
 ; PRIOR FILING DATE: 2000-08-31
 ; PRIOR APPLICATION NUMBER: 60/152,317
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/152,315
 ; PRIOR FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PatentIn ver. 2.0
 ; SEQ ID NO 20
 ; LENGTH: 1033
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-789-561-20

Query Match 1.6%; Score 19; DB 9; Length 1033;
 Best Local Similarity 100.0%; Pred. No. 38;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 696 GCAGGAGAAAGCAGGGA 714
 DB 931 GCAGGAGAAAGCAGGGA 913

```
RESULT 52
US-10-027-632-118578/c
; Sequence 118578, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118578
; LENGTH: 1125
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-118578

Query Match
Best Local Similarity 1.6%; Score 19; DB 13; Length 1125;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 964 GCCCTGTGCTCTGCAGG 982
Db 926 GCCCTGTGCTCTGCAGG 908

RESULT 53
US-10-027-632-118578/c
; Sequence 118578, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118578
; LENGTH: 1125
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-118578

Query Match
Best Local Similarity 1.6%; Score 19; DB 13; Length 1125;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 964 GCCCTGTGCTCTGCAGG 982
Db 926 GCCCTGTGCTCTGCAGG 908

RESULT 54
US-10-424-599-55347
; Sequence 55347, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; THE INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 55347
; LENGTH: 1133
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_20990C.1
US-10-424-599-55347

Query Match
Best Local Similarity 1.6%; Score 19; DB 13; Length 1133;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 408 TGCCCAGCAGAGAAAATC 426
Db 834 TGCCCAGCAGAGAAAATC 852

RESULT 55
US-10-354-358-11
; Sequence 11, Application US/10354358
; Publication No. US20030157082A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc
; APPLICANT: Hunter, John Joseph
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Tsai, Fong-Ying
; APPLICANT: Lesoon, Andrea
; APPLICANT: Lightcap, Eric S.
; APPLICANT: Williamson, Mark
; APPLICANT: Rudolph-Owen, Laura A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; CANCER USING 140, 1470, 1686, 2089, 2427, 3702, 5891, 6428,
; TITLE OF INVENTION: 7181, 7660, 25641, 69583, 49863, 8897, 1682, 17667, 9235,
; TITLE OF INVENTION: 3703, 14171, 10359, 1660, 1450, 18994, 2088, 32427, 2160,
; TITLE OF INVENTION: 9252, 9389, 1642, 85269, 10297, 1584, 9525, 14124, 4463,
; TITLE OF INVENTION: 8990, 2100, 9288, 64698, 10480, 20893, 33230, 1586, 9943,
; TITLE OF INVENTION: 16334, 68862, 9011, 14031, 6178, 21225, 1420, 32236, 2099,
; TITLE OF INVENTION: 2150, 26583, 2784, 8941, 9811, 27444, 50566 OR 66428 MOLECULES
; FILE REFERENCE: NPI02-020P1RNCNM1W
; CURRENT APPLICATION NUMBER: US/10/354,358
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: US 60/353,600
; PRIOR FILING DATE: 2002-01-31
; PRIOR APPLICATION NUMBER: US 60/364,517
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/371,075
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; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/371,507
; PRIOR FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: US 60/372,984
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: US 60/374,194
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/382,995
; PRIOR FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: US 60/385,023
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 60/388,853
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/389,395
; PRIOR FILING DATE: 2002-06-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1467)
US-10-354-358-11

Query Match 1.6%; Score 19; DB 15; Length 1467;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 742 AGGGGCTTCCTCATCCGG 760
Db 423 AGGGGCTTCCTCATCCGG 441

RESULT 56
US-10-280-576-25
; Sequence 25, Application US/10280576
; Publication No. US20040044405A1
; GENERAL INFORMATION:
; APPLICANT: Wolff, Matthew R.
; TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
; FILE REFERENCE: 09820.189
; CURRENT APPLICATION NUMBER: US/10/280,576
; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 1490
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-280-576-25

Query Match 1.6%; Score 19; DB 13; Length 1490;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 742 AGGGGCTTCCTCATCCGG 760
Db 434 AGGGGCTTCCTCATCCGG 452

RESULT 57
US-10-126-962-1
; Sequence 1, Application US/10126962
; Publication No. US20040087783A1
; GENERAL INFORMATION:
; APPLICANT: FLOWMAN, GREGORY D.
; APPLICANT: ONRUST, SUSAN
; APPLICANT: MARKBY, DAVID

; APPLICANT: COURTNEIDGE, SARA
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF SAD RELATED DISORDERS
; FILE REFERENCE: 034536-0497
; CURRENT APPLICATION NUMBER: US/10/126,962
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 09/099,053
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/049,914
; PRIOR FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1548
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Unknown mammalian
; OTHER INFORMATION: nucleotide sequence
US-10-126-962-1

Query Match 1.6%; Score 19; DB 17; Length 1548;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 742 AGGGGCTTCCTCATCCGG 760
Db 471 AGGGGCTTCCTCATCCGG 489

RESULT 58
US-09-976-782-25
; Sequence 25, Application US/09976782
; Publication No. US20030190715A1
; GENERAL INFORMATION:
; APPLICANT: Grosse et al
; TITLE OF INVENTION: No. US20030190715A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-157
; CURRENT APPLICATION NUMBER: US/09/976,782
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,113
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: 60/240,662
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,732
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,625
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,703
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/241,190
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,637
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/240,669
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/262,455
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/240,648
; PRIOR FILING DATE: 2000-10-16
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 1580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-976-782-25

Query Match 1.6%; Score 19; DB 10; Length 1580;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 742 AGGGGCTTCCTCATCCGG 760
Db 471 AGGGGCTTCCTCATCCGG 489


```
Db 455 AGGGGCGCTTCTCATCCG 473

RESULT 59
US-09-861-846-1
; Sequence 1, Application US/09861846
; Patent No. US20020110852A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; AND USES THEREOF
; FILE REFERENCE: CL001065
; CURRENT APPLICATION NUMBER: US/09/861,846
; CURRENT FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: 09/752,821
; PRIOR FILING DATE: 2001-01-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1833
; TYPE: DNA
; ORGANISM: Human
US-09-861-846-1

Query Match 1.6%; Score 19; DB 9; Length 1833;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 GGAGGGCGCTTCTCATCC 758
Db 157 GGAGGGCGCTTCTCATCC 175

RESULT 60
US-10-250-463-1
; Sequence 1, Application US/10250463
; Publication No. US20040106775A1
; GENERAL INFORMATION:
; APPLICANT: PE CORPORATION (NY)
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; AND USES THEREOF
; FILE REFERENCE: CL001065
; CURRENT APPLICATION NUMBER: US/10/250,463
; CURRENT FILING DATE: 2003-07-02
; PRIOR APPLICATION NUMBER: 09/752,821
; PRIOR FILING DATE: 2001-01-03
; PRIOR APPLICATION NUMBER: 09/861,846
; PRIOR FILING DATE: 2001-05-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1833
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-250-463-1

Query Match 1.6%; Score 19; DB 17; Length 1833;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 740 GGAGGGCGCTTCTCATCC 758
Db 157 GGAGGGCGCTTCTCATCC 175

RESULT 61
US-10-094-749-577
; Sequence 577, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
```

```
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYU
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 577
; LENGTH: 2120
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-577
```

```
Query Match 1.6%; Score 19; DB 16; Length 2120;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 740 GGAGGGCGCTTCTCATCC 758
Db 280 GGAGGGCGCTTCTCATCC 298
```

```
RESULT 62
US-10-305-720-1101
; Sequence 1101, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 1101
; LENGTH: 2771
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 g1256002
US-10-305-720-1101
```

```
Query Match 1.6%; Score 19; DB 16; Length 2771;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 585 CTGAGGATGGAGCTGGT 603
Db 1305 CTGAGGATGGAGCTGGT 1323
```

RESULT 63

US-10-087-192-416
 ; Sequence 416, Application US/10087192
 ; Publication No. US20020182586A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
 ; FILE REFERENCE: 529452000122
 ; CURRENT APPLICATION NUMBER: US/10/087,192
 ; CURRENT FILING DATE: 2002-03-01
 ; PRIOR APPLICATION NUMBER: US 09/747,377
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: US 09/798,586
 ; PRIOR FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 2059
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 416
 ; LENGTH: 3103
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; OTHER INFORMATION: Mus musculus

Query Match 1.6%; Score 19; DB 13; Length 3103;
 Best Local Similarity 100.0%; Pred. No. 33;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 320 CAGAGCTGCTTCCCAAGC 338
 DB 960 CAGAGCTGCTTCCCAAGC 978

RESULT 64

US-10-369-493-46381/C
 ; Sequence 46381, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: US 60/360,039
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO 46381
 ; LENGTH: 4207
 ; TYPE: DNA
 ; ORGANISM: Schizosaccharomyces pombe
 ; OTHER INFORMATION: Schizosaccharomyces pombe

Query Match 1.6%; Score 19; DB 16; Length 4207;
 Best Local Similarity 100.0%; Pred. No. 31;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 411 CCAGCAGAGAAATCTCT 429
 DB 3095 CCAGCAGAGAAATCTCT 3077

RESULT 65

US-10-062-674-2048/c
 ; Sequence 2048, Application US/10062674
 ; Publication No. US2004000559A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.

; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
 ; FILE REFERENCE: PA-0026-1 CIP
 ; CURRENT APPLICATION NUMBER: US/10/062,674
 ; CURRENT FILING DATE: 2002-01-30
 ; PRIOR APPLICATION NUMBER: US 09/625,102
 ; PRIOR FILING DATE: 2000-07-24
 ; NUMBER OF SEQ ID NOS: 2217
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 2048
 ; LENGTH: 4720
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US2004000559A1 422072.14
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (1) ... (4720)
 ; OTHER INFORMATION: a, t, c, g, or other
 ; US-10-062-674-2048

Query Match 1.6%; Score 19; DB 16; Length 4720;
 Best Local Similarity 100.0%; Pred. No. 31;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 585 CTGAGGATGGAGACTGGTG 603
 DB 3421 CTGAGGATGGAGACTGGTG 3403

RESULT 66

US-10-437-963-29812
 ; Sequence 29812, Application US/10437963
 ; Publication No. US20040123343A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; APPLICANT: Kovacic, David K.
 ; APPLICANT: Zhou, Yihua
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Wu, Wei
 ; APPLICANT: Boukharov, Andrey A.
 ; APPLICANT: Barbazuk, Brad
 ; APPLICANT: Li, Ping
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 ; FILE REFERENCE: 38-21(53221)B
 ; CURRENT APPLICATION NUMBER: US/10/437,963
 ; CURRENT FILING DATE: 2003-05-14
 ; NUMBER OF SEQ ID NOS: 204966
 ; SEQ ID NO 29812
 ; LENGTH: 6779
 ; TYPE: DNA
 ; ORGANISM: Oryza sativa
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_34278C.1
 ; US-10-437-963-29812

Query Match 1.6%; Score 19; DB 17; Length 6779;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1127 TCCCTCAGCTTCTACATCA 1145
 DB 1465 TCCCTCAGCTTCTACATCA 1483

RESULT 67

US-10-087-192-415
 ; Sequence 415, Application US/10087192
 ; Publication No. US20020182586A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.

; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 415
; LENGTH: 189158
; TYPE: DNA
; ORGANISM: Mus musculus
; NAME/KEY: misc feature
; LOCATION: (1)...(189158)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-415

Query Match
Best Local Similarity 1.6%; Score 19; DB 13; Length 189158;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 320 CAGAGCTGTCTCCCAAGC 338
Db 166937 CAGAGCTGTCTCCCAAGC 166955

RESULT 68
US-09-738-626-3261
; Sequence 3261, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIRO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 3261
; LENGTH: 204
; TYPE: DNA
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-3261

Query Match
Best Local Similarity 1.5%; Score 18; DB 9; Length 204;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1150 GAATGACGAGGCTGTCTC 1167
Db 111 GAATGACGAGGCTGTCTC 128

RESULT 69
US-10-437-963-26242

US-10-437-963-26242
; Sequence 26242, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 26242
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_31051C.1
US-10-437-963-26242

Query Match
Best Local Similarity 1.5%; Score 18; DB 17; Length 219;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 428 CTGCCAAGCCCAAGCTTG 445
Db 128 CTGCCAAGCCCAAGCTTG 145

RESULT 70
US-10-437-963-35410/c
; Sequence 35410, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 35410
; LENGTH: 304
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39332C.1
US-10-437-963-35410

Query Match
Best Local Similarity 1.5%; Score 18; DB 17; Length 304;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 TCCTCCCTGGCTCGGCT 81
Db 243 TCCTCCCTGGCTCGGCT 226

RESULT 71
US-10-437-963-47957/c

```
; Sequence 47957, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 47957
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_50677C.1
US-10-437-963-47957

Query Match          1.5%; Score 18; DB 17; Length 311;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
Db 250 TCCTCCCTGGCTCGGCT 233

RESULT 72
US-10-437-963-96032/c
; Sequence 96032, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 96032
; LENGTH: 365
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_94167C.1
US-10-437-963-96032

Query Match          1.5%; Score 18; DB 17; Length 365;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
Db 304 TCCTCCCTGGCTCGGCT 287

RESULT 73
US-10-437-963-84460/c
; Sequence 84460, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 84460
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_83695C.1
US-10-437-963-84460

Query Match          1.5%; Score 18; DB 17; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 64 TCCTCCCTGGCTCGGCT 81
Db 313 TCCTCCCTGGCTCGGCT 296

RESULT 74
US-09-918-995-8609
; Sequence 8609, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8609
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-8609

Query Match          1.5%; Score 18; DB 10; Length 402;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAAATCTCTGCCA 433
Db 3 AGAAGAAAATCTCTGCCA 20

RESULT 75
US-09-983-965-1815
; Sequence 1815, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
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```
; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 1815
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 02-LIB3057-001-Q1-K1-A9
US-09-983-965-1815

Query Match      1.5%; Score 18; DB 9; Length 403;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 902 CTCACGGCCCTGCTGGAC 919
Db 376 CTCACGGCCCTGCTGGAC 393

RESULT 76
US-09-732-627A-2773/G
; Sequence 2773, Application US/09732627A
; Publication No. US20040123338A1
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(51770)B
; CURRENT APPLICATION NUMBER: US/09/732,627A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 4930
; SEQ ID NO 2773
; LENGTH: 408
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3493-008-P1-M1-E8
US-09-732-627A-2773

Query Match      1.5%; Score 18; DB 12; Length 408;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 328 TCTTCCCAAGCCTTTGAT 345
Db 284 TCTTCCCAAGCCTTTGAT 267

RESULT 77
US-10-027-632-195991
; Sequence 195991, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195991
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195991

Query Match      1.5%; Score 18; DB 16; Length 474;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GGCCGAGCTGTCGCTGAG 558
Db 286 GGCCGAGCTGTCGCTGAG 303

RESULT 78
US-10-027-632-195991
; Sequence 195991, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 195991
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-195991

Query Match      1.5%; Score 18; DB 16; Length 474;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 541 GGCCGAGCTGTCGCTGAG 558
Db 286 GGCCGAGCTGTCGCTGAG 303

RESULT 79
US-09-918-995-26739
; Sequence 26739, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
```

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; TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26739
; LENGTH: 487
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-26739

Query Match          1.5%; Score 18; DB 10; Length 487;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 654 ACGTGGGCAAACTCTCC 671
    |||||
Db 448 ACGTGGGCAAACTCTCC 465

RESULT 80
US-09-918-995-38019
; Sequence 38019, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 38019
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(491)
; OTHER INFORMATION: n = A,T,C or G
; US-09-918-995-38019

Query Match          1.5%; Score 18; DB 10; Length 491;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 AGAAGAAATCTCTGCCA 433
    |||||
Db 416 AGAAGAAATCTCTGCCA 433

RESULT 81
US-10-027-632-270409
; Sequence 270409, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270409
; LENGTH: 497
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-270409

Query Match          1.5%; Score 18; DB 16; Length 497;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 269 CCAGAGGGCCCCCAAG 286
    |||||
Db 277 CCAGAGGGCCCCCAAG 294

RESULT 83
US-10-027-632-284851/c
; Sequence 284851, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:

```



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; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284852
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-284852

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 498;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 587 GAGGATGGAGACTGGTGG 604
Db 405 GAGGATGGAGACTGGTGG 388

RESULT 87
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 531;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 88
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 531;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 89
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 531;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 90
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
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```
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143162
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143162

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 531;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 89
US-10-027-632-143161/c
; Sequence 143161, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143161
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143161

Query Match
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Length 531;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 90
US-10-027-632-143162/c
; Sequence 143162, Application US/10027632
```



```
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143162
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-143162

Query Match      1.5%; Score 18; DB 16; Length 531;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      897 CCTCACTCCAGGCCCTGG 914
      |||||
DB      367 CCTCACTCCAGGCCCTGG 350

RESULT 91
US-10-029-386-4315
; Sequence 4315, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4315
; LENGTH: 535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR22 175.0
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.46
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EST_HUMAN HIT: B1518449.1, EVALUE 4.00e-89
; OTHER INFORMATION: NT HIT: g14779626, EVALUE 2.00e-89
; OTHER INFORMATION: SWISSPROT HIT: O00268, EVALUE 2.00e-01
US-10-029-386-4315

Query Match      1.5%; Score 18; DB 15; Length 535;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      897 CCTCACTCCAGGCCCTGG 914
      |||||
```

```
DB      135 CCTCACTCCAGGCCCTGG 152

RESULT 92
US-09-764-853-86
; Sequence 86, Application US/09764853
; Patent No. US2002090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; FILE REFERENCE: PJ206
; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 86
; LENGTH: 544
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (176)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (177)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (190)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (500)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (522)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-853-86

Query Match      1.5%; Score 18; DB 9; Length 544;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1139 TACATCAGCCTGAATGAC 1156
      |||||
DB      462 TACATCAGCCTGAATGAC 479

RESULT 93
US-10-027-632-282391/c
; Sequence 282391, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
```

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 282391
LENGTH: 561
TYPE: DNA
ORGANISM: Human
US-10-027-632-282391

Query Match 1.5% Score 18; DB 13; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 616 TGAAGTCTCAGGCAGAGA 633
Db 114 TGAAGTCTCAGGCAGAGA 97

RESULT 94

US-10-027-632-282391/c
Sequence 282391, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 282391
LENGTH: 561
TYPE: DNA
ORGANISM: Human
US-10-027-632-282391

Query Match 1.5% Score 18; DB 16; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 616 TGAAGTCTCAGGCAGAGA 633
Db 114 TGAAGTCTCAGGCAGAGA 97

RESULT 95

US-10-424-599-72725/c
Sequence 72725, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David X
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 72725
LENGTH: 578
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_36686C.1
US-10-424-599-72725

Query Match 1.5% Score 18; DB 13; Length 578;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 388 CTGAGGAACAATGGGAAG 405
Db 105 CTGAGGAACAATGGGAAG 88

RESULT 96

US-10-029-386-6891/c
Sequence 6891, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR CH
FILE REFERENCE: A60MICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 6891
LENGTH: 584
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AB023048.1
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
OTHER INFORMATION: NT HIT: AF168055.1, EVALUE 1.40e-01
OTHER INFORMATION: SWISSPROT HIT: P39605, EVALUE 7.40e+00
OTHER INFORMATION: EST_HUMAN HIT: AA584104.1, EVALUE 2.00e-04
US-10-029-386-6891

Query Match 1.5% Score 18; DB 15; Length 584;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 893 TTCCTCTCCTCAGGCC 910
Db 130 TTCCTCTCCTCAGGCC 113

RESULT 97

US-10-027-632-264852
Sequence 264852, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483

```
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 264852
/ LENGTH: 608
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-264852

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QY 896 CCCTCACTCCAGGCCCTG 913
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Db 538 CCCTCACTCCAGGCCCTG 555

RESULT 98
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/ Sequence 264852, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
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/ LENGTH: 608
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/ ORGANISM: Human
US-10-027-632-264852

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Db 538 CCCTCACTCCAGGCCCTG 555

RESULT 99
US-10-437-963-93927
/ Sequence 93927, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa, Thomas J.
/ APPLICANT: Kovalic, David K.
/ APPLICANT: Zhou, Yihua
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Wu, Wei
/ APPLICANT: Boukharov, Andrey A.
/ APPLICANT: Barbazuk, Brad
/ APPLICANT: Li, Ping
/ TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
/ FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53221)B
/ CURRENT APPLICATION NUMBER: US/10/437,963
/ CURRENT FILING DATE: 2003-05-14
/ NUMBER OF SEQ ID NOS: 204966
/ SEQ ID NO 93927
/ LENGTH: 690
/ TYPE: DNA
/ ORGANISM: Oryza sativa
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT4530_92264C.1
US-10-437-963-93927

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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
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QY 64 TCCCTCCCTGCGCTCGGCT 81
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Db 83 TCCCTCCCTGCGCTCGGCT 100

RESULT 100
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/ Sequence 162462, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 162462
/ LENGTH: 717
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-162462

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Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 885 GCCTCACCTTCCCTCAC 902
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RESULT 99
US-10-437-963-93927
/ Sequence 93927, Application US/10437963
/ Publication No. US20040123343A1
/ GENERAL INFORMATION:
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